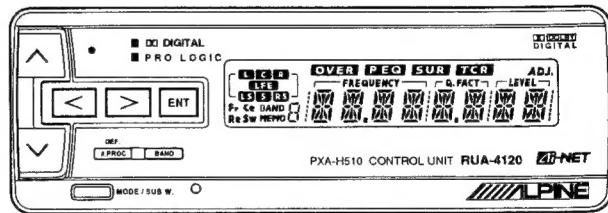


# ALPINE SERVICE MANUAL

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## Digital Audio Processor

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**AI-NET**

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# PXA-H510

## **Contents**

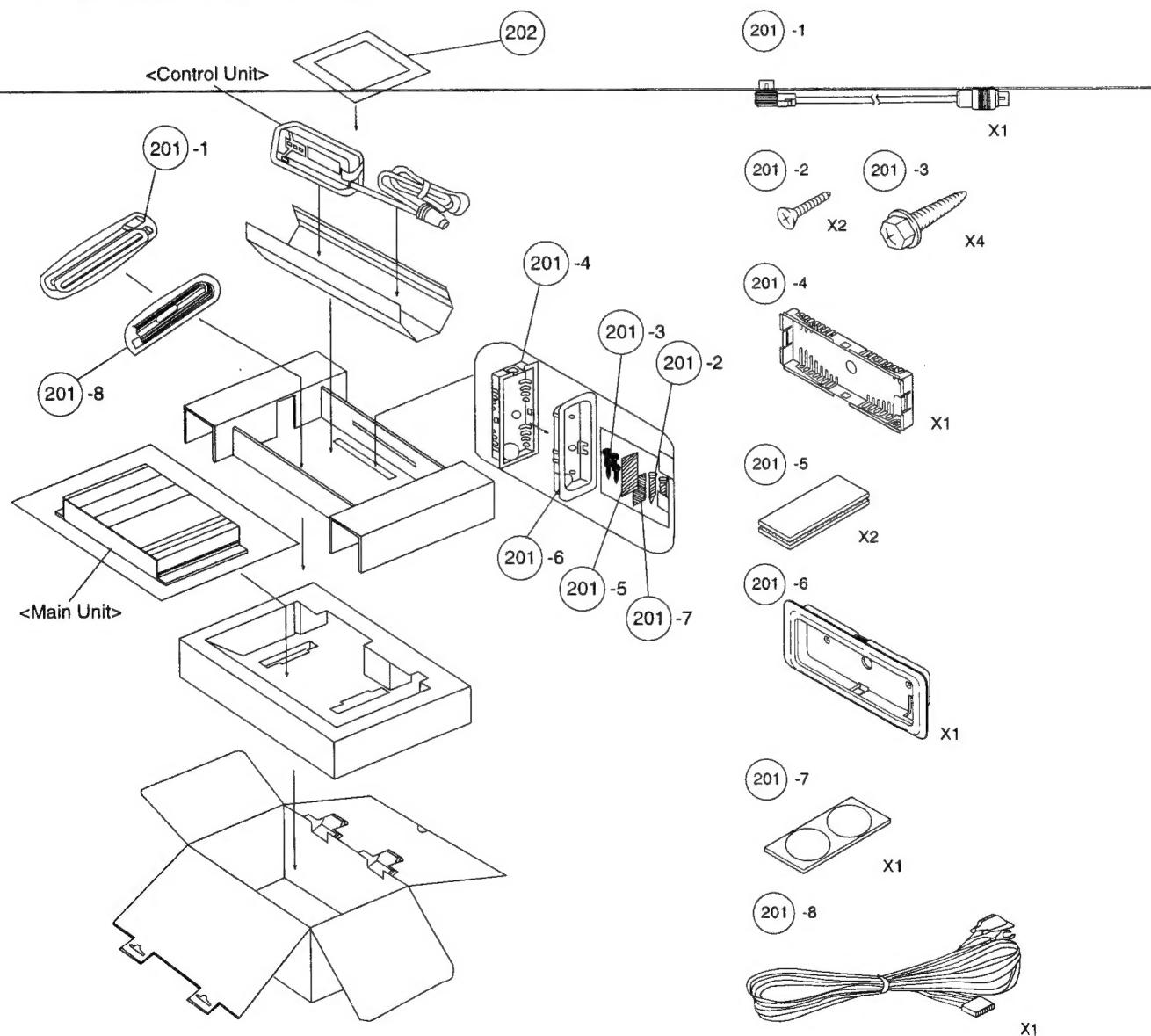
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NOTE : Due to continuing product improvement, specifications and designs are subject to change without notice.

## Packing Assembly Parts List

Symbol No.	Part No.	Description	Symbol No.	Part No.	Description
201-1	01T55561W32	Assy., DIN S/LB/B2000	201-7	54A60129W01	Label, Cable
201-2	03E25256S01	Screw, Tapping (M2.9X20)	201-8	01E26554S01	Assy., Power Wire
201-3	03E11447S01	Screw, TPG1 (M4X14)	202-1	68P01149K28	Owner's Manual (ENGLISH/FRANCAIS/ESPAÑOL)
201-4	07E25452S01	Bracket, Mount	202-2	68P01149K86	Owner's Manual (DEUTSCH/ITALIANO/SVENSKA)
201-5	75E26094S01	Pad, Magic Tape			
201-6	15E25453S01	Case, Flash Mount			

## Packing Method View



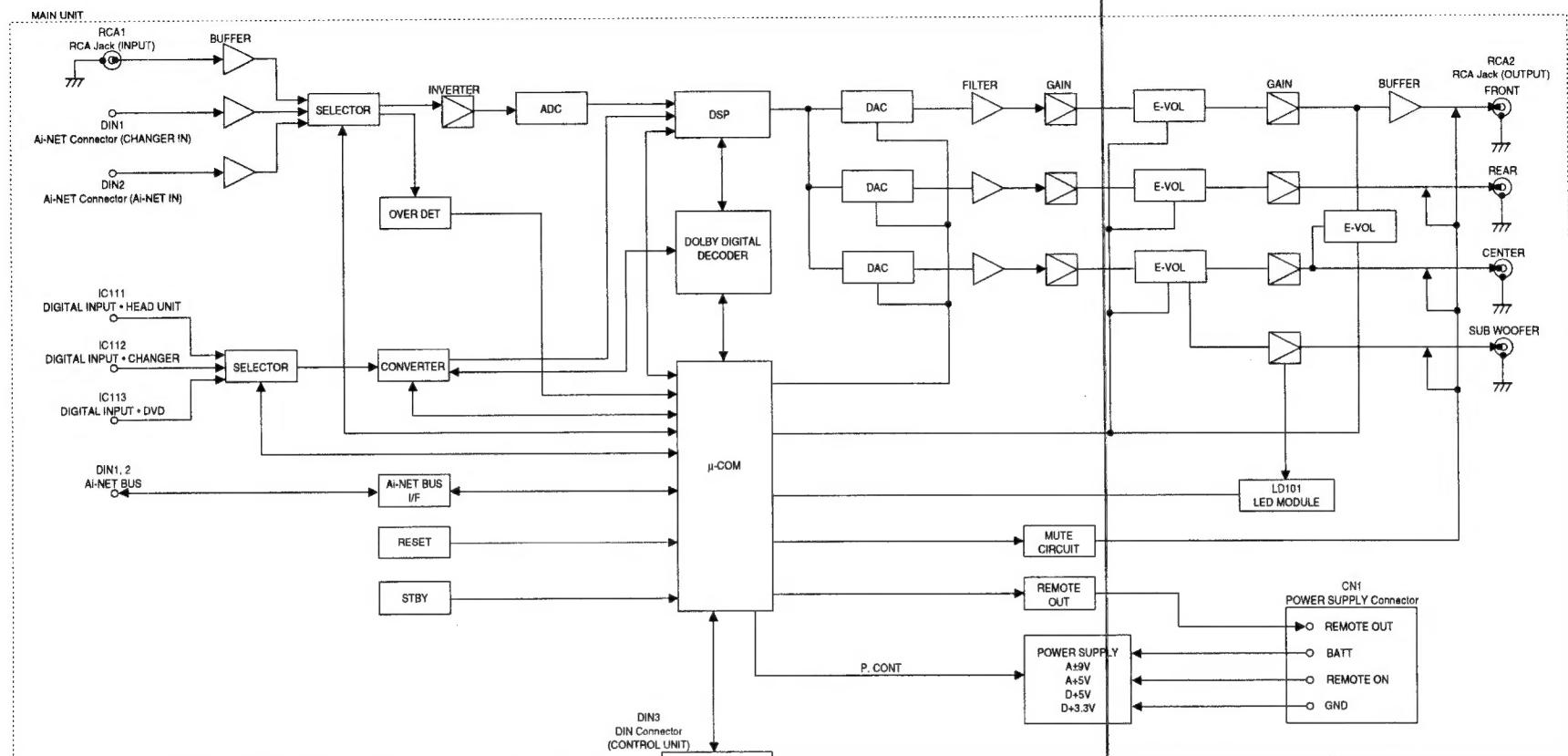
# PXA-H510

## Specifications

Power Supply .....	DC14.4V (11~16V)
Total Harmonic Distortion (2V Output, 30kHz L.P.F., Test CD TCD-782 (Track No. 3 and 2))	DIGITAL IN MODE, Front • Rear (1kHz) : 0.1% SUB W. (17Hz) : 0.1%
(2V Output, 30kHz L.P.F.) .....	ANALOG IN MODE, Front • Rear (1kHz) : 0.1%
(2V Output, 30kHz L.P.F., Dolby DVD Demo and Test Disc Revision 1.0 (Track No. 65~70))	DOLBY DIGITAL BITSTEAM IN MODE, Front • Rear (997Hz) : 0.1% SUB W. (30Hz) : 0.1%
Output Level (0.85V Input) .....	ANALOG IN MODE, Front • Rear (1kHz) : 3.5V±2dB SUB W. (30Hz) : 3.4V±2dB
	DOLBY DIGITAL BITSTEAM IN MODE (Dolby DVD Demo and Test Disc Revision 1.0 (Track No. 65~69)), Front • Rear (997Hz) : 2.8V±2dB
Residual Noise .....	DIGITAL IN MODE (Test CD TCD-782 (Track No. 22) Played), Front • Rear • SUB W. (S/N 96dB at 4V) : 60µV
	ANALOG IN MODE (INPUT Shorted), Front • Rear (S/N 84dB at 4V) : 250µV SUB W. (S/N 94dB at 4V) : 80µV
Frequency Response .....	Front • Rear (Ref. 1kHz, 40Hz~15kHz) : 0±1dB SUB W. (Ref. 30Hz, 25Hz~40Hz) : 0±1dB
Channel Separation (Input Shorted) .....	Front & Rear : 60dB
Current Drain (at no signal) .....	1.5A
Back-Up Current Drain .....	5mA
Input Impedance .....	RCA IN, Ai-NET IN, CHG-IN : 10k ohm
Output Impedance (Each Channel) .....	1k ohm
Dimensions (W×H×D) .....	Main Unit : 260×49×160mm Control Unit : 113×19×39.5mm
Weight .....	Main Unit : 1.51kg Control Unit : 0.352kg

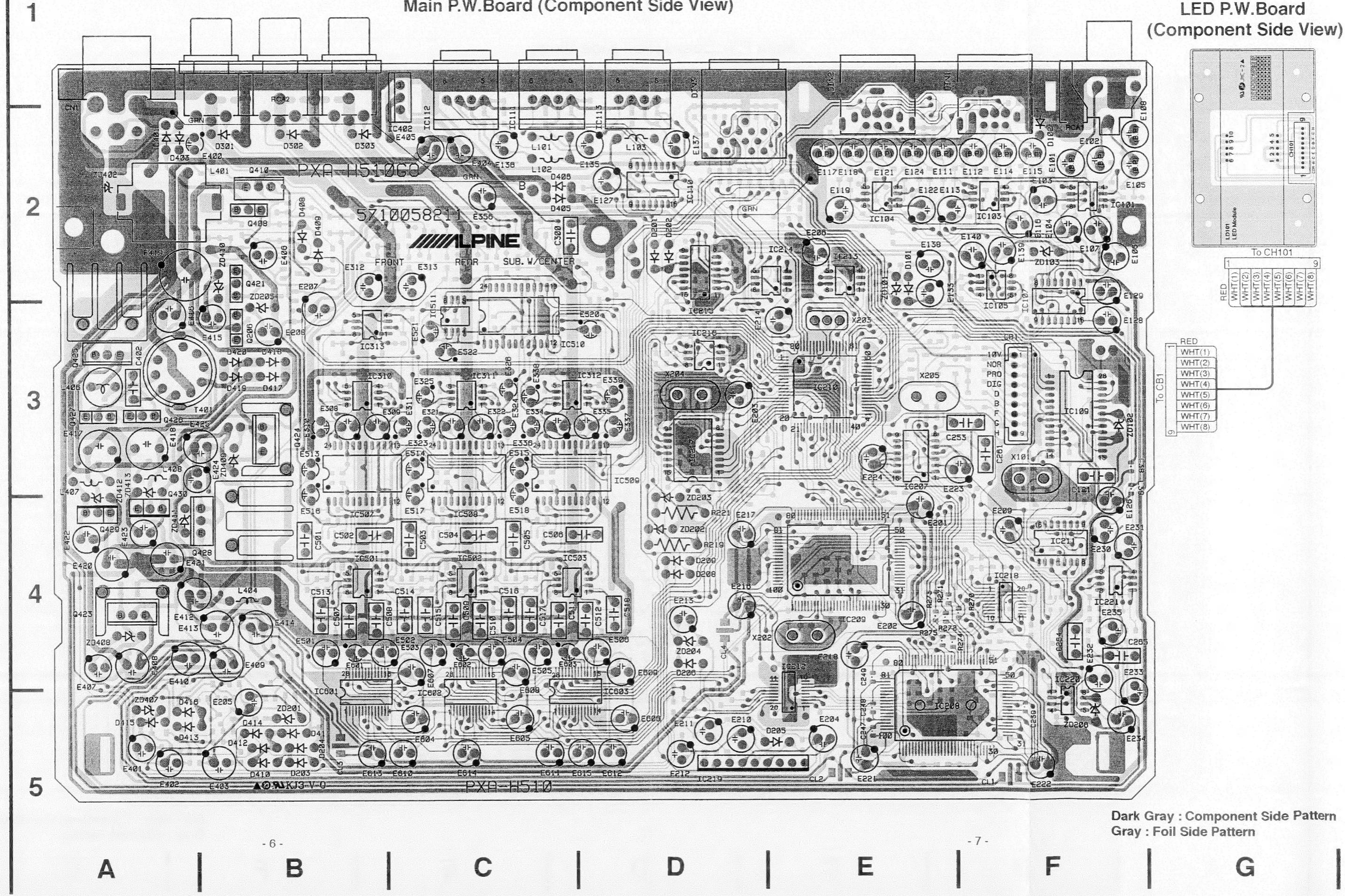
NOTE : Due to Continuing product improvement, specifications and designs are subject to change without notice.

## Block Diagram



# Parts Layout on P.W. Boards and Wiring Diagram (1/3) ⟨MAIN UNIT⟩

### Main P.W.Board (Component Side View)



# Parts Layout on P.W. Boards and Wiring Diagram (2/3)

## ⟨MAIN UNIT⟩

1

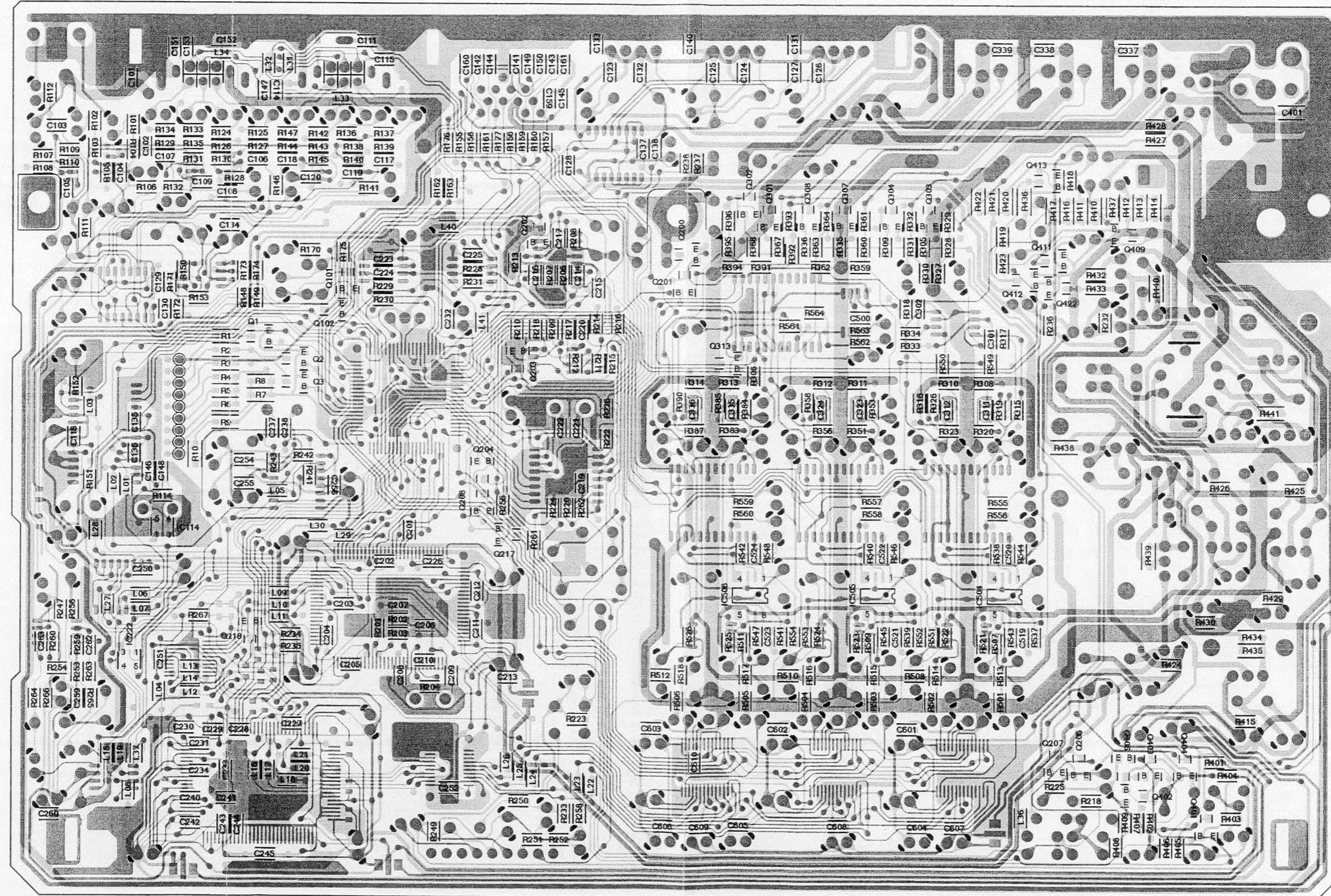
2

3

4

5

Main P.W. Board (Foil Side View)



Dark Gray : Component Side Pattern  
Gray : Foil Side Pattern

A

B

C

D

E

F

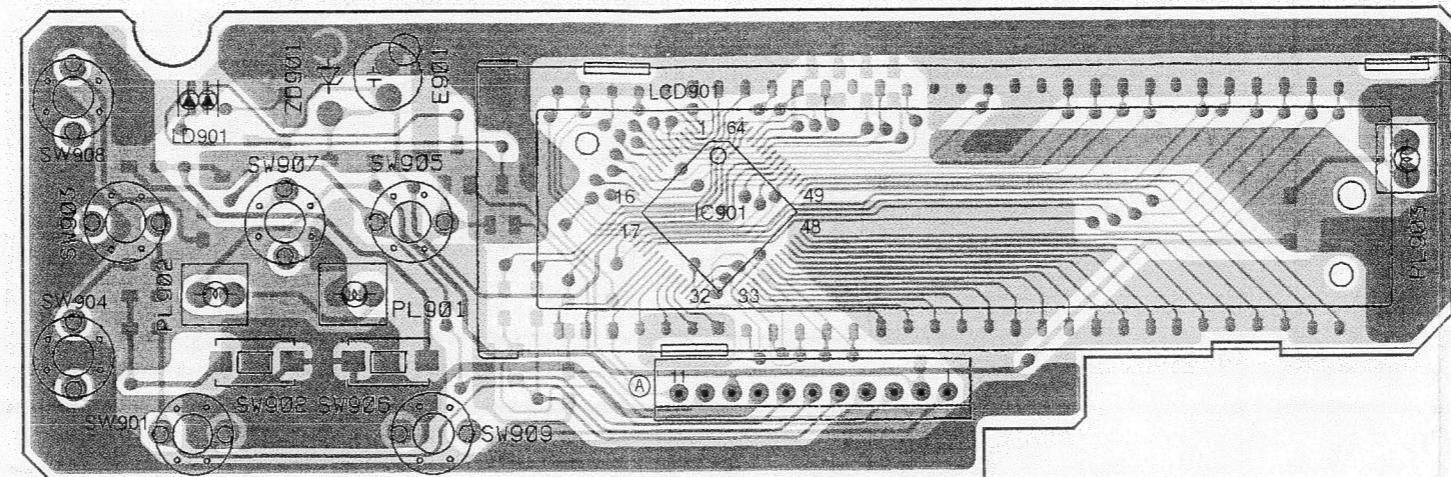
G

# Parts Layout on P.W. Boards and Wiring Diagram (3/3)

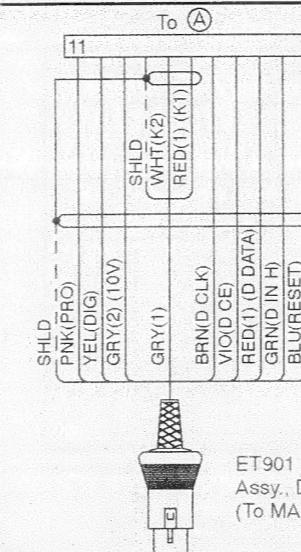
## 〈CONTROL UNIT〉

1

Front P.W.Board (Component Side View)

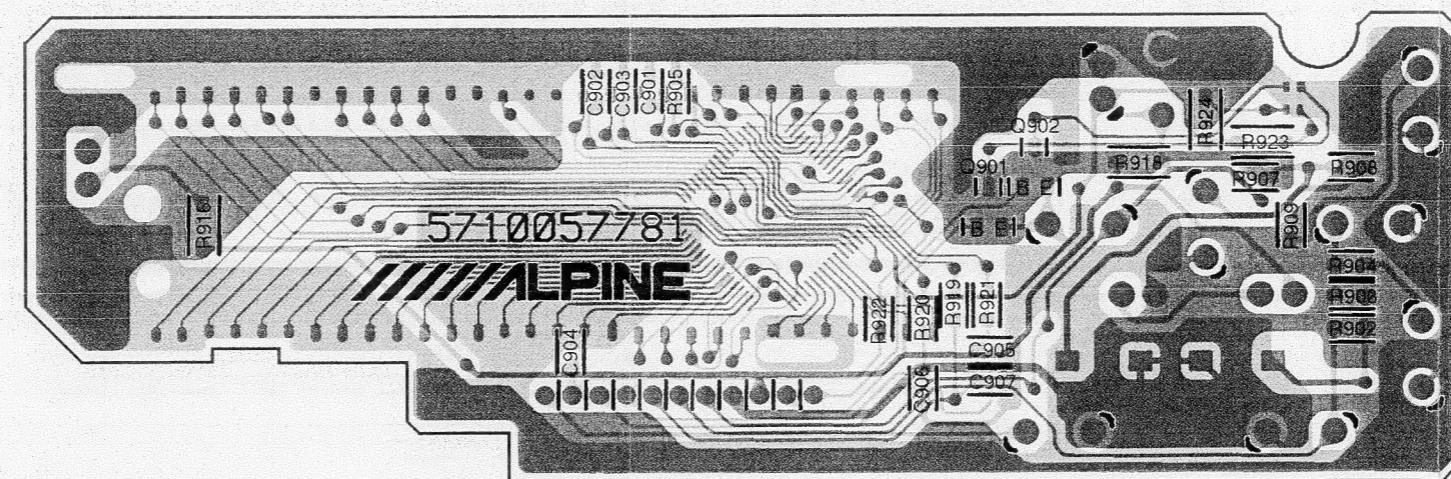


2



3

Front P.W. Board (Foil Side View)



4

Gray Color Pattern :Component Side Pattern  
Blue Color Pattern :Foil Side Pattern

5

A

B

C

D

E

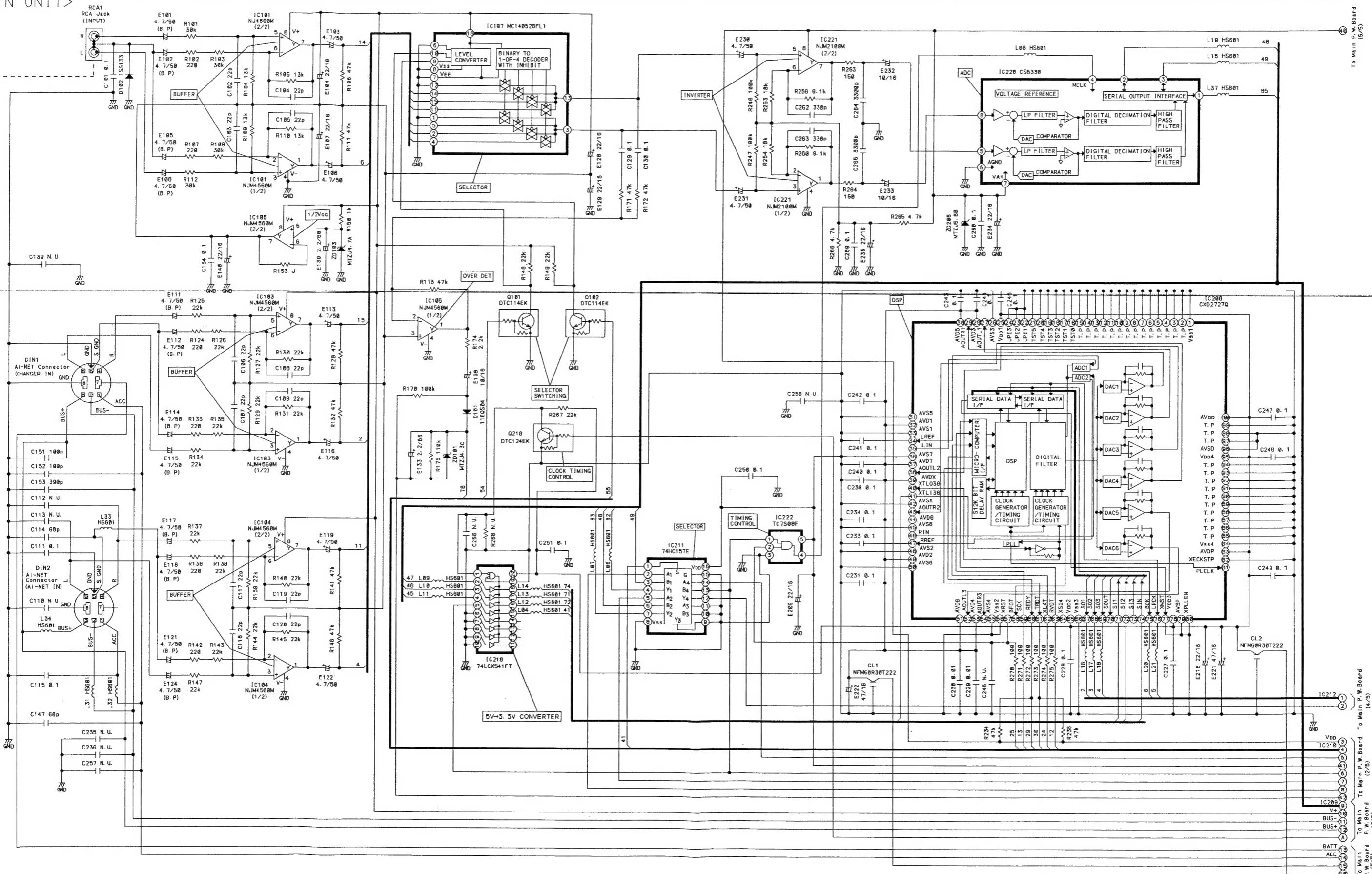
F

G

## Schematic Diagram (1/5)

Main P. W. Board (1/5)

&lt;MAIN UNIT&gt;

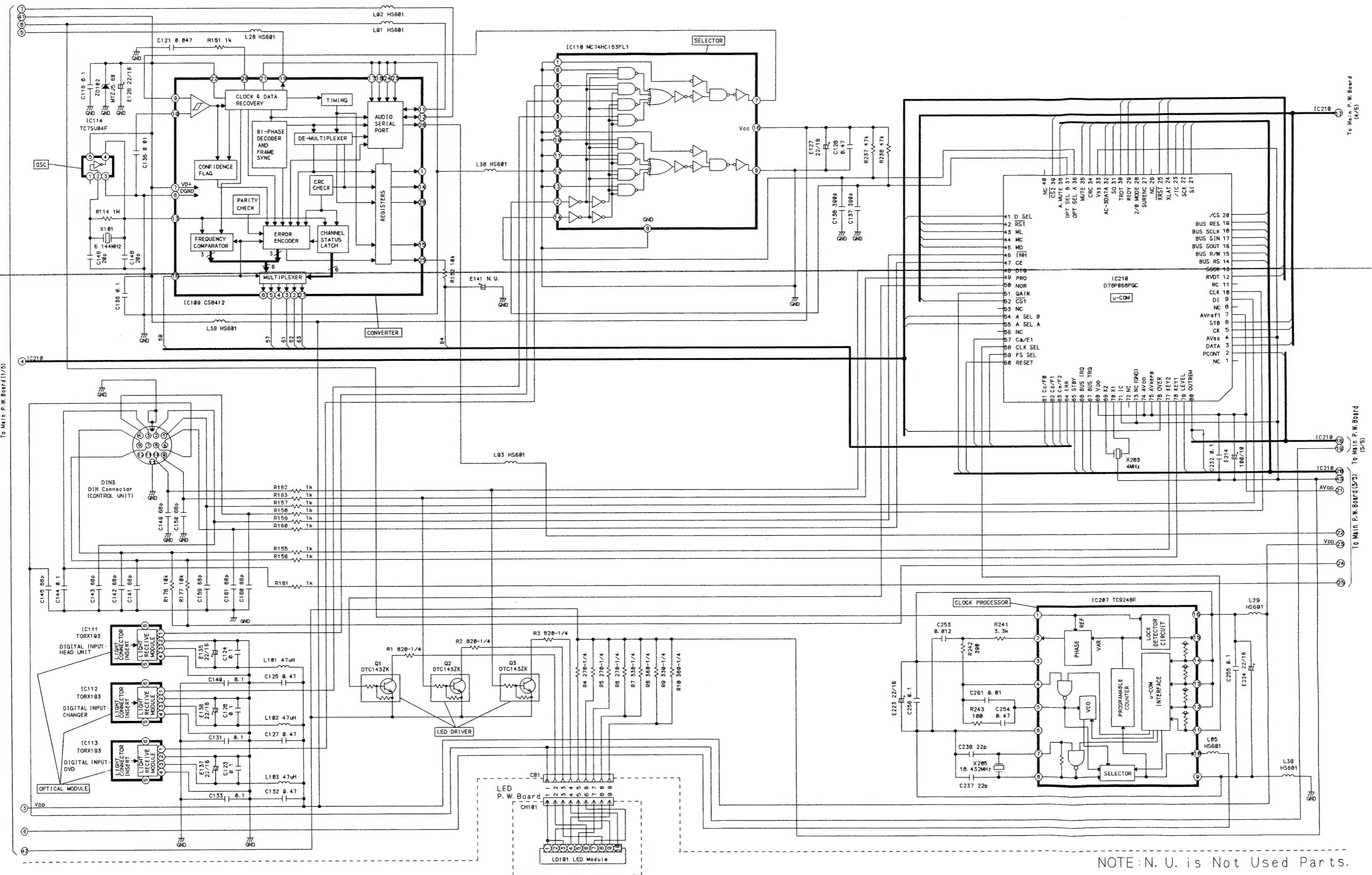


NOTE: N. U. is Not Used Parts.

## Schematic Diagram (2/5)

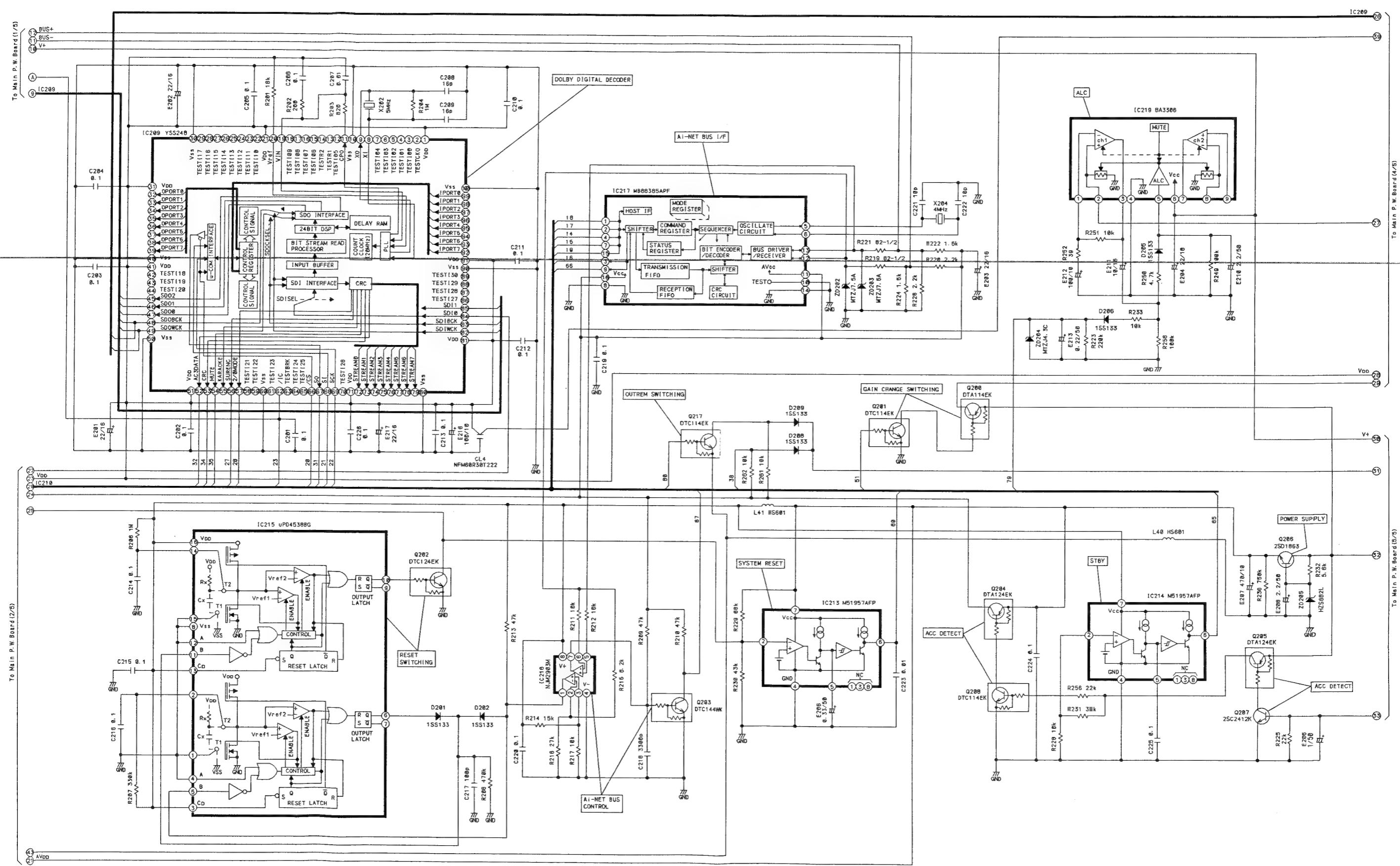
## &lt;MAIN UNIT&gt;

Main P. W. Board (2/5)



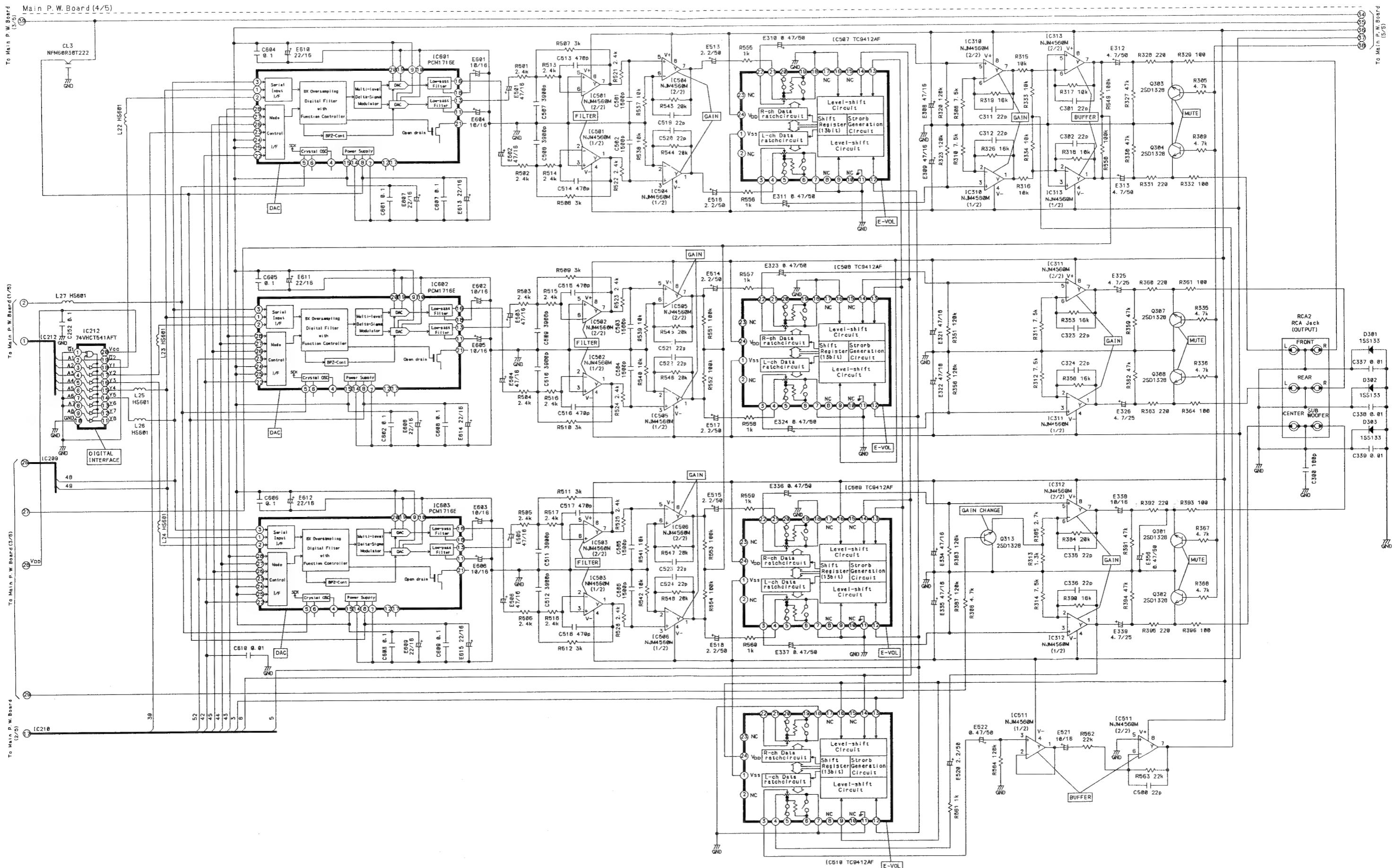
### Schematic Diagram (3/5)

**<MAIN UNIT>**



### Schematic Diagram (4/5)

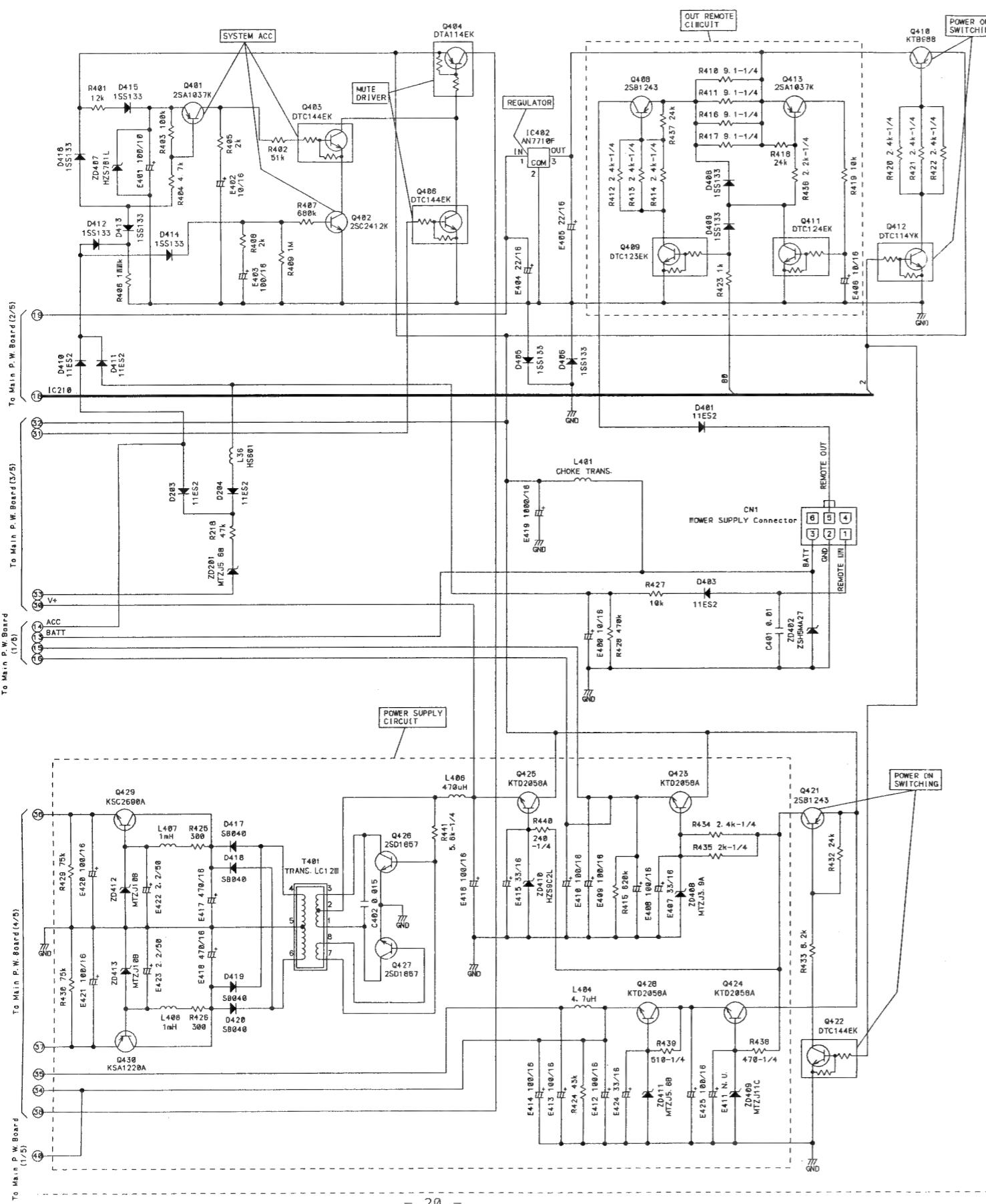
<MAIN UNIT>



## Schematic Diagram (5/5)

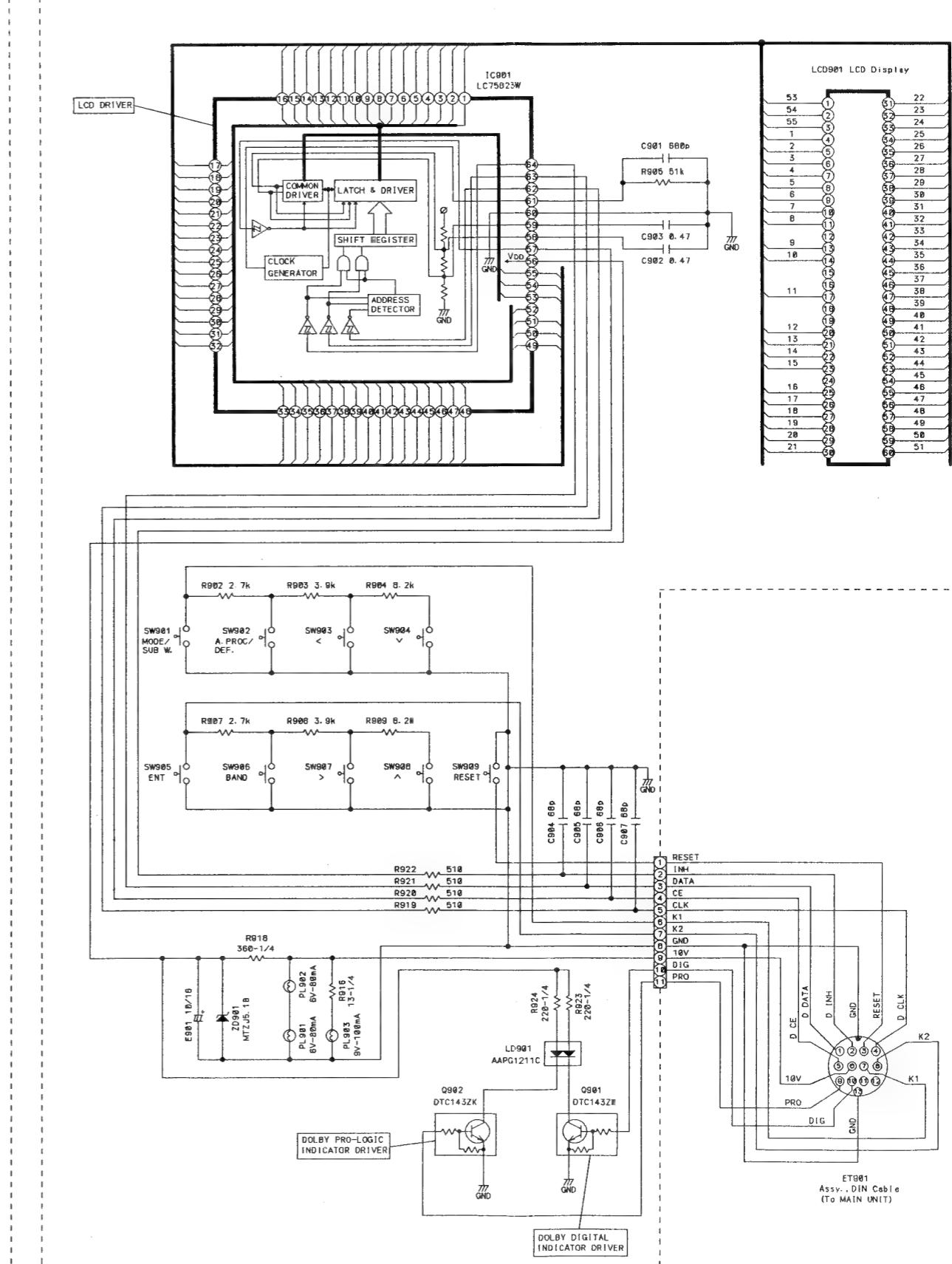
## &lt;MAIN UNIT&gt;

Main P.W. Board (5/5)



## &lt;CONTROL UNIT&gt;

Front P.W. Board



## Terminal Voltage of IC/TR

IC101, 103, 104

1-3	4.55V
4	0V
5-7	4.55V
8	9.18V

IC105

1-3	4.55V
4	0V
5-7	4.55V
8	9.19V

IC107

1	0V
2-5	4.53V
6-9	0V
10	9.13V
11	4.53V
12	0V
13-15	4.53V
16	9.15V

IC109

1	NC	14, 15	NC
2	1.24V	16	5.23V
3	4.9V	17, 18	0V
4	NC	19	2.35V
5	5.01V	20	0.1V
6	NC	21	0V
7	4.99V	22	5.01V
8, 9	0V	23, 24	0V
10	1.71V	25	5.01V
11	2.53V	26	0V
12	2.52V	27	1.19V
13	2.34V	28	NC

IC110

1, 2	0V
3-5	0.39V
6-13	0V
14	4.97V
15	0V
16	4.99V

IC111~113

1	0.39V
2	0V
3	4.98V
4	0V

IC114

1	NC
2	2.36V
3	0V
4	2.27V
5	4.88V

IC208

1-24	0V	44	3.37V	65	3.37V
25	3.35V	45	0V	66	0V
26	0V	46	NC	67	1.75V
27	NC	47	1.65V	68	1.85V
28	3.37V	48	0V	69	1.75V
29	NC	49	3.37V	70	NC
30	3.37V	50	0V	71	1.28V
31	0V	51	3.38V	72	0.65V
32	3.37V	52	NC	73	NC
33	0V	53	3.38V	74	1.3V
34	1.64V	54	NC	75	1.68V
35	NC	55, 56	0V	76	1.62V
36	0V	57	5.19V	77	0V
37	3.37V	58	NC	78	3.37V
38	NC	59	5.19V	79, 80	0V
39	3.37V	60	4.93V	81	NC
40	NC	61	4.94V	82-94	0V
41	1.86V	62	5.19V	95	3.37V
42	0V	63	0V	96-99	0V
43	NC	64	NC	100	3.37V

IC209

1	5.05V	45	0.93V	67	0V
2-7	NC	46, 47	1.95V	68, 69	5.19V
8	2.53V	48, 49	2.54V	70	NC
9	2.58V	50	0V	71	5.04V
10, 11	0V	51	5.03V	72-79	NC
12-18	NC	52	0V	80	0V
19	3.54V	53	4.99V	81	5.04V
20	3.53V	54	0V	82, 83	2.55V
21	5.03V	55	NC	84	0V
22-29	NC	56, 57	0V	85	1.28V
30	0V	58, 59	NC	86-89	NC
31	5.05V	60	0V	90	0V
32-39	NC	61	NC	91	5.04V
40	0V	62	5.19V	92-99	NC
41	5.05V	63-65	NC	100	0V
42-44	NC	66	5.19V		

IC207

1	1.47V	8	2.88V
2	0V	9	0V
3	5.03V	10	2.23V
4	0V	11	0V
5	5.03V	12-14	5.03V
6	0V	15	NC
7	2.65V	16	5.03V

# PXA-H510

IC210

1	NC	27,28	0V	48	0V	64	5.01V
2	5.07V	29	4.96V	49	5.11V	65	5.18V
3	5.22V	30	4.99V	50	0V	66	5.15V
4-6	0V	31-33	0V	51	5.2V	67	0V
7	5.22V	34	4.99V	52	5.21V	68	5.24V
8	NC	35	0V	53	NC	69	3.11V
9	0V	36	4.98V	54	5.2V	70	2.62V
10	4.94V	37	0V	55	0V	71	0V
11	NC	38	4.33V	56	NC	72	NC
12	0V	39	0V	57	5.01V	73	0V
13-15	5.22V	40	NC	58	0V	74,75	5.24V
16,17	0V	41	5.2V	59	5.23V	76	0V
18,19	5.22V	42,43	5.22V	60	5.18V	77,78	5.15V
20-23	5.19V	44,45	0V	61	4.92V	79	0V
24,25	5.22V	46	5.22V	62	1.24V	80	5.07V
26	NC	47	4.58V	63	1.2V		

IC211

1	5.23V	12	2.2V
2	1.47V	13	2.57V
3,4	2.54V	14	2.37V
5,6	2.53V	15	0V
7	2.57V	16	5.02V
8-11	0V		

IC212

1	0V	11-13	NC
2,3	1.75V	14	2.53V
4	1.78V	15	2.55V
5	1.62V	16	2.65V
6	1.69V	17	3.1V
7,8	0V	18	2.62V
9	NC	19	0V
10	0V	20	5.04V

IC213

1	NC
2	2.09V
3	NC
4	0V
5	1.26V
6	5.19V
7	5.25V
8	NC

IC214

1	NC
2	3.04V
3	NC
4	0V
5	1.26V
6	5.19V
7	5.25V
8	NC

IC215

1	0V	9	NC
2	5.1V	10	0V
3	5.25V	11	4.43V
4	0V	12	0V
5	4.79V	13	5.26V
6	0V	14	4.82V
7	NC	15	0V
8	0V	16	5.26V

IC216

1	4.79V
2	1.61V
3	2.12V
4	0V
5	3.05V
6	2.09V
7	2.69V
8	5.25V

IC217

1	5.24V	10	0V
2,3	0V	11	5.16V
4	5.24V	12	2.09V
5	1.84V	13	3.05V
6	2.06V	14	0V
7	5.24V	15	5.24V
8	0V	16	5.16V
9	5.16V		

IC218

1	0V	15	1.9V
2	1.58V	16	0.65V
3	1.92V	17	1.21V
4	0.93V	18	1.31V
5	2.37V	19	0V
6-10	0V	20	3.37V
11-14	NC		

IC219

1	1.82V
2	0V
3	1.82V
4,5	0V
6	9.18V
7-9	NC

IC220

1	1.29V
2	2.51V
3	2.55V
4	0V
5	2.31V
6	0V
7	5.02V
8	2.31V

IC221

1,2	2.54V
3	2.52V
4	0V
5	2.52V
6,7	2.54V
8	5.04V

IC222

1-3	0V
4	-9.42V
5-7	0V
8	9.37V
5	4.9V

IC310~313, 501~506, 511

1	9.97V
2	0V
3,4	13.84V
5	17

IC402

1	-9.38V	14	0V
2	NC	15	NC
3,4	0V	16	0V
5,6	NC	17	NC
7	0V	18	0V
8	NC	19,20	NC
9	0V	21,22	0V
10	NC	23	NC
11,12	0V	24	9.11V
13	5.17V		

IC507

1	-9.14V	14	0V
2	NC	15	NC
3,4	0V	16	0V
5,6	NC	17	NC
7	0V	18	0V
8	NC	19,20	NC
9	9.14V	21,22	0V
10	NC	23	NC
11,12	0V	24	9.21V
13	5.18V		

IC508

**IC509**

1	-9.25V	14	0V
2	NC	15	NC
3, 4	0V	16	9.22V
5, 6	NC	17	NC
7	0V	18	0V
8	NC	19, 20	NC
9	0V	21, 22	0V
10	NC	23	NC
11, 12	0V	24	9.25V
13	5.19V		

**IC510**

1	-9.29V	13	5.22V
2	NC	14	0V
3, 4	0V	15	NC
5, 6	NC	16	9.27V
7	0V	17	NC
8	NC	18	0V
9	9.27V	19-23	NC
10	NC	24	9.28V
11, 12	0V		

**IC601**

1	2.55V	14	0V
2	2.63V	15	5V
3	2.52V	16	2.5V
4	NC	17	NC
5	2.54V	18	2.5V
6	NC	19	0V
7	0V	20	5V
8	5.05V	21	NC
9	5.01V	22	5.23V
10	0V	23	0V
11	2.5V	24, 25	5V
12	NC	26, 27	0V
13	2.51V	28	5.23V

**IC602**

1	2.55V	14	0V
2	2.66V	15	5V
3	2.54V	16	2.52V
4	NC	17	NC
5	2.54V	18	2.5V
6	NC	19	0V
7	0V	20	5V
8	5.05V	21	NC
9	5.01V	22	5.23V
10	0V	23	5.22V
11	2.5V	24, 25	5V
12	NC	26, 27	0V
13	2.51V	28	5.23V

**IC603**

1	2.55V	14	0V
2	2.64V	15	5V
3	2.54V	16	2.51V
4	NC	17	NC
5	2.54V	18	2.5V
6	NC	19	0V
7	0V	20	5V
8	5.05V	21	NC
9	5.01V	22, 23	5.23V
10	0V	24, 25	5V
11	2.5V	26, 27	0V
12	NC	28	5.23V
13	2.51V		

**IC901**

1-51	2.4V	59	1.6V
52	NC	60	0V
53-55	2.4V	61	3.72V
56	4.8V	62	4.83V
57	5.29V	63	5.01V
58	3.19V	64	0V

# PXA-H510

	E	C	B		E	C	B		E	C	B
Q1	0V	8.74V	0V	Q301	0V	0V	0.69V	Q412	0V	0V	5.21V
Q2	0V	0V	5.06V	Q302	0V	0V	0.69V	Q413	13.8V	0V	13.79V
Q3	0V	8.76V	0V	Q303	0V	0V	0.69V	Q421	13.92V	13.88V	13.33V
Q101	0V	0V	5.15V	Q304	0V	0V	0.69V	Q422	0V	0V	5.2V
Q102	0V	9.03V	0V	Q307	0V	0V	0.69V	Q423	3.39V	13.89V	3.97V
Q200	13.93V	13.92V	0V	Q308	0V	0V	0.69V	Q424	10.52V	13.91V	11.13V
Q201	0V	0V	5.19V	Q313	0V	0V	0.69V	Q425	9.16V	13.91V	8.78V
Q202	0V	2.07V	0V	Q401	6.83V	0V	6.77V	Q426	0V	8.77V	-0.69V
Q203	0V	0V	2.68V	Q402	0V	0V	0.55V	Q427	0V	8.76V	-0.69V
Q204	5.21V	5.12V	0V	Q403	0V	0V	0V	Q428	5.05V	10.51V	5.66V
Q205	13.9V	13.89V	0V	Q404	13.88V	13.8V	0V	Q429	9.31V	12.15V	9.9V
Q206	5.22V	13.93V	5.77V	Q406	0V	0V	3.87V	Q430	-9.35V	-12.15V	-9.98V
Q207	0V	0V	0.64V	Q408	13.77V	13.76V	13.11V	Q901	0V	4.75V	0V
Q208	0V	0V	4.86V	Q409	0V	0V	3.63V	Q902	0V	0V	5.02V
Q217	0V	0V	5.1V	Q410	13.97V	13.88V	13.24V				
Q218	0V	0V	5.19V	Q411	0V	13.79V	0V				

## [Measuring Conditions]

- Power Supply Voltage : DC14.4V
- Measuring Meter : Digital Multi Meter
- Measuring Point Reference : Between Ground
- Measuring Condition : Set on Start (No Active)

# Electrical Parts List

Capacitor :  $\mu$ F=microfarads,pF=picofarads

Abbreviations	
RES. = Resistor	CAP. = Capacitor
C.F. = Carbon Film	ELY. = Electrolytic
M.F. = Metal Film	CER. = Ceramic
M.O. = Metal Oxide Film	MYL. = Mylar
M.P. = Metal Plate	TAN. = Tantalum
TR. = Transistor	POLY. = Polystyrol
TRANS. = Transformer	PP. = Polypropylene
CP. = Chip	PLT. = Polyethylene
	PF. = Polyester Film

Symbol No.	Part No.	Description
<b>Main P.W. Board</b>		

IC's	
IC101	51E22130S01
IC103	51E22130S01
IC104	51E22130S01
IC105	51E22130S01
IC107	51T15630W03
IC109	51T95394W01
IC110	51T16518W02
IC114	51T15731W06
IC207	51T35012Y01
IC208	51T25437Y01
IC209	51T25498Y01
IC210	51T85312W01
IC211	51T45229W02
IC212	51T15195Y01
IC213	51T94896F03
IC214	51T94896F03
IC215	51T90267F02
IC216	51E23843S01
IC217	51T55070W04
IC218	51T25501Y01
IC219	51E22887S01
IC220	51T95392W01
IC221	51E24381S01
IC222	51T15731W08
IC310	51E22130S01
IC311	51E22130S01
IC312	51E22130S01
IC313	51E22130S01
IC402	51T75191W08
IC501	51E22130S01
IC502	51E22130S01
IC503	51E22130S01
IC504	51E22130S01
IC505	51E22130S01
IC506	51E22130S01

Symbol No.	Part No.	Description
IC507	51T95524W01	IC, TC9412AF-L -SEA
IC508	51T95524W01	IC, TC9412AF-L -SEA
IC509	51T95524W01	IC, TC9412AF-L -SEA
IC510	51T95524W01	IC, TC9412AF-L -SEA
IC511	51E22130S01	IC, NJM 4560M -TE3
IC601	51T25002Y01	IC, PCM1716E -T2
IC602	51T25002Y01	IC, PCM1716E -T2
IC603	51T25002Y01	IC, PCM1716E -T2
<b>Transistors</b>		
Q1	48E26534S01	TR, DTC 143ZK-T-CP
Q2	48E26534S01	TR, DTC 143ZK-T-CP
Q3	48E26534S01	TR, DTC 143ZK-T-CP
Q101	48E22093S01	TR, DTC 114EK-T-CP
Q102	48E22093S01	TR, DTC 114EK-T-CP
Q200	48E22901S01	TR, DTA 114EK-T CP
Q201	48E22093S01	TR, DTC 114EK-T-CP
Q202	48E10426S01	TR, DTC 124EK-T-CP
Q203	48E24364S01	TR, DTC 144WK-T CP
Q204	48E22092S01	TR, DTA 124EK-T-CP
Q205	48E22092S01	TR, DTA 124EK-T-CP
Q206	48E22911S01	TR, 2SD1863-TL4-RD
Q207	48E22902S01	TR, 2SC2412K-T CP
Q208	48E22093S01	TR, DTC 114EK-T-CP
Q217	48E22093S01	TR, DTC 114EK-T-CP
Q218	48E10426S01	TR, DTC 124EK-T-CP
Q301	48T63788F01	TR, CP. 2SD1328-TX
Q302	48T63788F01	TR, CP. 2SD1328-TX
Q303	48T63788F01	TR, CP. 2SD1328-TX
Q304	48T63788F01	TR, CP. 2SD1328-TX
Q307	48T63788F01	TR, CP. 2SD1328-TX
Q308	48T63788F01	TR, CP. 2SD1328-TX
Q313	48T63788F01	TR, CP. 2SD1328-TX
Q401	48E22900S01	TR, 2SA1037K -CP
Q402	48E22902S01	TR, 2SC2412K-T CP
Q403	48E22555S01	TR, DTC 144EK-T-CP
Q404	48E22901S01	TR, DTA 114EK-T CP
Q406	48E22555S01	TR, DTC 144EK-T-CP
Q408	48E09399S01	TR, 2SB1243-TV4-RD
Q409	48E24407S01	TR, DTC 123EK-T CP
Q410	48E24349S01	TR, KTB988
Q411	48E10426S01	TR, DTC 124EK-T-CP
Q412	48E22094S01	TR, DTC 114YK-T CP
Q413	48E22900S01	TR, 2SA1037K -CP
Q421	48E09399S01	TR, 2SB1243-TV4-RD

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Symbol No.	Part No.	Description	Symbol No.	Part No.	Description
Q422	48E22555S01	TR, DTC 144EK-T-CP	ZD204	48E24376S01	D10, ZEN. MTZJ4. 3C-AX
Q423	48E22494S01	TR, KTD2058A-Y	ZD205	48T83128F05	D10, ZEN. HZS 6B2L-A5
Q424	48E22494S01	TR, KTD2058A-Y	ZD206	48E23607S01	D10, ZEN. MTZJ5. 6B-AX
Q425	48E22494S01	TR, KTD2058A-Y	ZD402	48T25064Y02	D10, ZEN. ZSH5MA27A-ED
Q426	48T55057W01	TR, 2SD1857-TV4-RD	ZD407	48T83128F13	D10, ZEN. HZS7B1L -A5
Q427	48T55057W01	TR, 2SD1857-TV4-RD	ZD408	48E30013S01	D10, ZEN. MTZJ3. 9A-AX
Q428	48E22494S01	TR, KTD2058A-Y	ZD409	48E30015S01	D10, ZEN. MTZJ11C -AX
Q429	48E10027S01	TR, KSC 2690A-Y	ZD410	48T83128F26	D10, ZEN. HZS 9C2L-A5
Q430	48E05943S01	TR, KSA 1220A-Y	ZD411	48E23607S01	D10, ZEN. MTZJ5. 6B-AX
Diodes			ZD412	48E23548S01	D10, ZEN. MTZJ10B -AX
D101	48T55247W01	D10, 11EQS04 -A5	ZD413	48E23548S01	D10, ZEN. MTZJ10B -AX
D102	48E22916S01	D10, 1SS133-T-77 -AX	Coils		
D201	48E22916S01	D10, 1SS133-T-77 -AX	L01	91T65112W04	COIL, IND HS601-CP
D202	48E22916S01	D10, 1SS133-T-77 -AX	L02	91T65112W04	COIL, IND HS601-CP
D203	48E20758S01	D10, 11ES2-TA1B2 -AX	L03	91T65112W04	COIL, IND HS601-CP
D204	48E20758S01	D10, 11ES2-TA1B2 -AX	L04	91T65112W04	COIL, IND HS601-CP
D205	48E22916S01	D10, 1SS133-T-77 -AX	L05	91T65112W04	COIL, IND HS601-CP
D206	48E22916S01	D10, 1SS133-T-77 -AX	L06	91T65112W04	COIL, IND HS601-CP
D208	48E22916S01	D10, 1SS133-T-77 -AX	L07	91T65112W04	COIL, IND HS601-CP
D209	48E22916S01	D10, 1SS133-T-77 -AX	L08	91T65112W04	COIL, IND HS601-CP
D301	48E22916S01	D10, 1SS133-T-77 -AX	L09	91T65112W04	COIL, IND HS601-CP
D302	48E22916S01	D10, 1SS133-T-77 -AX	L10	91T65112W04	COIL, IND HS601-CP
D303	48E22916S01	D10, 1SS133-T-77 -AX	L11	91T65112W04	COIL, IND HS601-CP
D401	48E20758S01	D10, 11ES2-TA1B2 -AX	L12	91T65112W04	COIL, IND HS601-CP
D403	48E20758S01	D10, 11ES2-TA1B2 -AX	L13	91T65112W04	COIL, IND HS601-CP
D405	48E22916S01	D10, 1SS133-T-77 -AX	L14	91T65112W04	COIL, IND HS601-CP
D406	48E22916S01	D10, 1SS133-T-77 -AX	L15	91T65112W04	COIL, IND HS601-CP
D408	48E22916S01	D10, 1SS133-T-77 -AX	L16	91T65112W04	COIL, IND HS601-CP
D409	48E22916S01	D10, 1SS133-T-77 -AX	L17	91T65112W04	COIL, IND HS601-CP
D410	48E20758S01	D10, 11ES2-TA1B2 -AX	L18	91T65112W04	COIL, IND HS601-CP
D411	48E20758S01	D10, 11ES2-TA1B2 -AX	L19	91T65112W04	COIL, IND HS601-CP
D412	48E22916S01	D10, 1SS133-T-77 -AX	L20	91T65112W04	COIL, IND HS601-CP
D413	48E22916S01	D10, 1SS133-T-77 -AX	L21	91T65112W04	COIL, IND HS601-CP
D414	48E22916S01	D10, 1SS133-T-77 -AX	L22	91T65112W04	COIL, IND HS601-CP
D415	48E22916S01	D10, 1SS133-T-77 -AX	L23	91T65112W04	COIL, IND HS601-CP
D416	48E22916S01	D10, 1SS133-T-77 -AX	L24	91T65112W04	COIL, IND HS601-CP
D417	48T85269W01	D10, SHT SB040 -A5	L25	91T65112W04	COIL, IND HS601-CP
D418	48T85269W01	D10, SHT SB040 -A5	L26	91T65112W04	COIL, IND HS601-CP
D419	48T85269W01	D10, SHT SB040 -A5	L27	91T65112W04	COIL, IND HS601-CP
D420	48T85269W01	D10, SHT SB040 -A5	L28	91T65112W04	COIL, IND HS601-CP
ZD101	48E24376S01	D10, ZEN. MTZJ4. 3C-AX	L29	91T65112W04	COIL, IND HS601-CP
ZD102	48E23607S01	D10, ZEN. MTZJ5. 6B-AX	L30	91T65112W04	COIL, IND HS601-CP
ZD103	48E30014S01	D10, ZEN. MTZJ4. 7A-AX	L31	91T65112W04	COIL, IND HS601-CP
ZD201	48E23607S01	D10, ZEN. MTZJ5. 6B-AX	L32	91T65112W04	COIL, IND HS601-CP
ZD202	48E24379S01	D10, ZEN. MTZJ7. 5A-AX	L33	91T65112W04	COIL, IND HS601-CP
ZD203	48E24379S01	D10, ZEN. MTZJ7. 5A-AX	L34	91T65112W04	COIL, IND HS601-CP

Symbol No.	Part No.	Description	Symbol No.	Part No.	Description
L36	91T65112W04	COIL, IND HS601-CP	C114	08E22549S01	CAP, CER. 680-J-CP 50V
L37	91T65112W04	COIL, IND HS601-CP	C115	08E26532S01	CAP, CER. 104-K-CP 50V
L38	91T65112W04	COIL, IND HS601-CP	C116	08E26532S01	CAP, CER. 104-K-CP 50V
L39	91T65112W04	COIL, IND HS601-CP	C117	08E20550S01	CAP, CER. 220-J-CP 50V
L40	91T65112W04	COIL, IND HS601-CP	C118	08E20550S01	CAP, CER. 220-J-CP 50V
L41	91T65112W04	COIL, IND HS601-CP	C119	08E20550S01	CAP, CER. 220-J-CP 50V
L101	24E26537S01	COIL, IND 470K -AX	C120	08E20550S01	CAP, CER. 220-J-CP 50V
L102	24E26537S01	COIL, IND 470K -AX	C121	08E22938S01	CAP, TF. MMTS 473-J-RD
L103	24E26537S01	COIL, IND 470K -AX	C123	08E26532S01	CAP, CER. 104-K-CP 50V
L401	25E24351S01	CHOKE TRANS	C124	08E26532S01	CAP, CER. 104-K-CP 50V
L404	25E23608S01	COIL, IND 4R7K -AX	C125	08E26533S01	CAP, 474-Z-CP
L406	24T95293W21	IND, RCH-875 471K	C126	08E26532S01	CAP, CER. 104-K-CP 50V
L407	24E09406S01	COIL, IND 102K -AX	C127	08E26533S01	CAP, 474-Z-CP
L408	24E09406S01	COIL, IND 102K -AX	C128	08E26533S01	CAP, 474-Z-CP
<b>Crystals</b>			C129	08E26532S01	CAP, CER. 104-K-CP 50V
X101	91T45118W35	XTL, 6.144MHz AT-51	C130	08E26532S01	CAP, CER. 104-K-CP 50V
X202	91T45118W28	XTL, 5.0MHz -AT51	C131	08E26532S01	CAP, CER. 104-K-CP 50V
X203	91T15848W01	CER LOCK 4MHz	C132	08E26533S01	CAP, 474-Z-CP
X204	91T25773W16	XTL, 4.000M -AT51	C133	08E26532S01	CAP, CER. 104-K-CP 50V
X205	91T25773W98	XTL, 18.432MHz -AT51	C134	08E26532S01	CAP, CER. 104-K-CP 50V
<b>Filters</b>			C135	08E26532S01	CAP, CER. 104-K-CP 50V
CL1	91T15058Y07	EFM, NFM60R30T222 CP	C136	08E22083S01	CAP, CER. 103-K-CP 50V
CL2	91T15058Y07	EFM, NFM60R30T222 CP	C137	08E23557S01	CAP, CER. 391-J-CP 50V
CL3	91T15058Y07	EFM, NFM60R30T222 CP	C138	08E23557S01	CAP, CER. 391-J-CP 50V
CL4	91T15058Y07	EFM, NFM60R30T222 CP	C140	08E26532S01	CAP, CER. 104-K-CP 50V
<b>Transformer</b>			C141	08E22549S01	CAP, CER. 680-J-CP 50V
T401	25T35113Y01	TRANS, LC128	C142	08E22549S01	CAP, CER. 680-J-CP 50V
<b>Capacitors</b>			C143	08E22549S01	CAP, CER. 680-J-CP 50V
C101	08E26532S01	CAP, CER. 104-K-CP 50V	C144	08E26532S01	CAP, CER. 104-K-CP 50V
C102	08E20550S01	CAP, CER. 220-J-CP 50V	C145	08E22549S01	CAP, CER. 680-J-CP 50V
C103	08E20550S01	CAP, CER. 220-J-CP 50V	C146	08E30009S01	CAP, CER. 200-J-CP 50V
C104	08E20550S01	CAP, CER. 220-J-CP 50V	C147	08E22549S01	CAP, CER. 680-J-CP 50V
C105	08E20550S01	CAP, CER. 220-J-CP 50V	C148	08E30009S01	CAP, CER. 200-J-CP 50V
C106	08E20550S01	CAP, CER. 220-J-CP 50V	C149	08E22549S01	CAP, CER. 680-J-CP 50V
C107	08E20550S01	CAP, CER. 220-J-CP 50V	C150	08E22549S01	CAP, CER. 680-J-CP 50V
C108	08E20550S01	CAP, CER. 220-J-CP 50V	C151	08E22899S01	CAP, CER. 101-J-CP 50V
C109	08E20550S01	CAP, CER. 220-J-CP 50V	C152	08E22899S01	CAP, CER. 101-J-CP 50V
C111	08E26532S01	CAP, CER. 104-K-CP 50V	C153	08E23557S01	CAP, CER. 391-J-CP 50V
			C159	08E22549S01	CAP, CER. 680-J-CP 50V
			C160	08E22549S01	CAP, CER. 680-J-CP 50V
			C161	08E22549S01	CAP, CER. 680-J-CP 50V
			C201	08E26532S01	CAP, CER. 104-K-CP 50V
			C202	08E26532S01	CAP, CER. 104-K-CP 50V
			C203	08E26532S01	CAP, CER. 104-K-CP 50V
			C204	08E26532S01	CAP, CER. 104-K-CP 50V
			C205	08E26532S01	CAP, CER. 104-K-CP 50V
			C206	08E26532S01	CAP, CER. 104-K-CP 50V
			C207	08E22083S01	CAP, CER. 103-K-CP 50V
			C208	08E26531S01	CAP, CER. 160-J-CP 50V

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Symbol No.	Part No.	Description	Symbol No.	Part No.	Description
C209	08E26531S01	CAP, CER. 160-J-CP 50V	C263	08E22079S01	CAP, CER. 331-J-CP 50V
C210	08E26532S01	CAP, CER. 104-K-CP 50V	C264	08E26536S01	CAP, TF. AMCS 332-J-RD
C211	08E26532S01	CAP, CER. 104-K-CP 50V	C265	08E26536S01	CAP, TF. AMCS 332-J-RD
C212	08E26532S01	CAP, CER. 104-K-CP 50V	C300	08E26535S01	CAP, TF. AMCS 471-J-RD
C213	08E26532S01	CAP, CER. 104-K-CP 50V	C301	08E20550S01	CAP, CER. 220-J-CP 50V
C214	08E26532S01	CAP, CER. 104-K-CP 50V	C302	08E20550S01	CAP, CER. 220-J-CP 50V
C215	08E26532S01	CAP, CER. 104-K-CP 50V	C311	08E20550S01	CAP, CER. 220-J-CP 50V
C216	08E26532S01	CAP, CER. 104-K-CP 50V	C312	08E20550S01	CAP, CER. 220-J-CP 50V
C217	08E22899S01	CAP, CER. 101-J-CP 50V	C323	08E20550S01	CAP, CER. 220-J-CP 50V
C218	08E20767S01	CAP, CER. 332-K-CP 50V	C324	08E20550S01	CAP, CER. 220-J-CP 50V
C219	08E26532S01	CAP, CER. 104-K-CP 50V	C335	08E20550S01	CAP, CER. 220-J-CP 50V
C220	08E26532S01	CAP, CER. 104-K-CP 50V	C336	08E20550S01	CAP, CER. 220-J-CP 50V
C221	08E08423S03	CAP, CER. 100-D-CP 50V	C337	08E26533S01	CAP, 474-Z-CP
C222	08E08423S03	CAP, CER. 100-D-CP 50V	C338	08E26533S01	CAP, 474-Z-CP
C223	08E22083S01	CAP, CER. 103-K-CP 50V	C339	08E22083S01	CAP, CER. 103-K-CP 50V
C224	08E26532S01	CAP, CER. 104-K-CP 50V	C401	08T95466W07	CAP, CER. 103K-B2J -CP
C225	08E26532S01	CAP, CER. 104-K-CP 50V	C402	08E30012S01	CAP, TF. MMTS 153-J-RD
C226	08E26532S01	CAP, CER. 104-K-CP 50V	C500	08E20550S01	CAP, CER. 220-J-CP 50V
C227	08E26532S01	CAP, CER. 104-K-CP 50V	C501	08E25318S01	CAP, TF. AMCS 152-J-RD
C228	08E26532S01	CAP, CER. 104-K-CP 50V	C502	08E25318S01	CAP, TF. AMCS 152-J-RD
C229	08E22083S01	CAP, CER. 103-K-CP 50V	C503	08E25318S01	CAP, TF. AMCS 152-J-RD
C230	08E22083S01	CAP, CER. 103-K-CP 50V	C504	08E25318S01	CAP, TF. AMCS 152-J-RD
C231	08E26532S01	CAP, CER. 104-K-CP 50V	C505	08E25318S01	CAP, TF. AMCS 152-J-RD
C232	08E26532S01	CAP, CER. 104-K-CP 50V	C506	08E25318S01	CAP, TF. AMCS 152-J-RD
C233	08E26532S01	CAP, CER. 104-K-CP 50V	C507	08E29546S01	CAP, TF. AMCS 392-J-RD
C234	08E26532S01	CAP, CER. 104-K-CP 50V	C508	08E29546S01	CAP, TF. AMCS 392-J-RD
C237	08E20550S01	CAP, CER. 220-J-CP 50V	C509	08E29546S01	CAP, TF. AMCS 392-J-RD
C238	08E20550S01	CAP, CER. 220-J-CP 50V	C510	08E29546S01	CAP, TF. AMCS 392-J-RD
C239	08E26532S01	CAP, CER. 104-K-CP 50V	C511	08E29546S01	CAP, TF. AMCS 392-J-RD
C240	08E26532S01	CAP, CER. 104-K-CP 50V	C512	08E29546S01	CAP, TF. AMCS 392-J-RD
C241	08E26532S01	CAP, CER. 104-K-CP 50V	C513	08E26535S01	CAP, TF. AMCS 471-J-RD
C242	08E26532S01	CAP, CER. 104-K-CP 50V	C514	08E26535S01	CAP, TF. AMCS 471-J-RD
C243	08E26532S01	CAP, CER. 104-K-CP 50V	C515	08E26535S01	CAP, TF. AMCS 471-J-RD
C244	08E26532S01	CAP, CER. 104-K-CP 50V	C516	08E26535S01	CAP, TF. AMCS 471-J-RD
C245	08E26532S01	CAP, CER. 104-K-CP 50V	C517	08E26535S01	CAP, TF. AMCS 471-J-RD
C247	08E26532S01	CAP, CER. 104-K-CP 50V	C518	08E26535S01	CAP, TF. AMCS 471-J-RD
C248	08E26532S01	CAP, CER. 104-K-CP 50V	C519	08E20550S01	CAP, CER. 220-J-CP 50V
C249	08E26532S01	CAP, CER. 104-K-CP 50V	C520	08E20550S01	CAP, CER. 220-J-CP 50V
C250	08E26532S01	CAP, CER. 104-K-CP 50V	C521	08E20550S01	CAP, CER. 220-J-CP 50V
C251	08E26532S01	CAP, CER. 104-K-CP 50V	C522	08E20550S01	CAP, CER. 220-J-CP 50V
C252	08E26532S01	CAP, CER. 104-K-CP 50V	C523	08E20550S01	CAP, CER. 220-J-CP 50V
C253	08E27841S01	CAP, TF. MMTS 123-J-RD	C524	08E20550S01	CAP, CER. 220-J-CP 50V
C254	08E26533S01	CAP, 474-Z-CP	C601	08E26532S01	CAP, CER. 104-K-CP 50V
C255	08E26532S01	CAP, CER. 104-K-CP 50V	C602	08E26532S01	CAP, CER. 104-K-CP 50V
C256	08E26532S01	CAP, CER. 104-K-CP 50V	C603	08E26532S01	CAP, CER. 104-K-CP 50V
C259	08E26532S01	CAP, CER. 104-K-CP 50V	C604	08E26532S01	CAP, CER. 104-K-CP 50V
C260	08E26532S01	CAP, CER. 104-K-CP 50V	C605	08E26532S01	CAP, CER. 104-K-CP 50V
C261	08E22969S01	CAP, TF. MMTS 103-J-RD	C606	08E26532S01	CAP, CER. 104-K-CP 50V
C262	08E22079S01	CAP, CER. 331-J-CP 50V	C607	08E26532S01	CAP, CER. 104-K-CP 50V

Symbol No.	Part No.	Description	Symbol No.	Part No.	Description
C608	08E26532S01	CAP, CER. 104-K-CP 50V	E217	23E08383S13	CAP, ELEC. 22/16-M -RD
C609	08E26532S01	CAP, CER. 104-K-CP 50V	E218	23E08383S13	CAP, ELEC. 22/16-M -RD
C610	08E22083S01	CAP, CER. 103-K-CP 50V	E221	23E20208S01	CAP, ELEC. 47/16-M -RD
E101	23E30011S01	CAP, ELEC. 4.7/50-BP-RD	E222	23E20208S01	CAP, ELEC. 47/16-M -RD
E102	23E30011S01	CAP, ELEC. 4.7/50-BP-RD	E223	23E08383S13	CAP, ELEC. 22/16-M -RD
E103	23E08383S16	CAP, ELEC. 4.7/50-M -RD	E224	23E08383S13	CAP, ELEC. 22/16-M -RD
E104	23E08383S13	CAP, ELEC. 22/16-M -RD	E230	23E08383S16	CAP, ELEC. 4.7/50-M -RD
E105	23E30011S01	CAP, ELEC. 4.7/50-BP-RD	E231	23E08383S16	CAP, ELEC. 4.7/50-M -RD
E106	23E08383S16	CAP, ELEC. 4.7/50-M -RD	E232	23E08383S08	CAP, ELEC. 10/16-M -RD
E107	23E08383S13	CAP, ELEC. 22/16-M -RD	E233	23E08383S08	CAP, ELEC. 10/16-M -RD
E108	23E30011S01	CAP, ELEC. 4.7/50-BP-RD	E234	23E08383S13	CAP, ELEC. 22/16-M -RD
E111	23E30011S01	CAP, ELEC. 4.7/50-BP-RD	E235	23E08383S13	CAP, ELEC. 22/16-M -RD
E112	23E30011S01	CAP, ELEC. 4.7/50-BP-RD	E308	23E20208S01	CAP, ELEC. 47/16-M -RD
E113	23E08383S16	CAP, ELEC. 4.7/50-M -RD	E309	23E20208S01	CAP, ELEC. 47/16-M -RD
E114	23E30011S01	CAP, ELEC. 4.7/50-BP-RD	E310	23E28618S01	CAP, ELEC. 0.47/50-M -RD
E115	23E30011S01	CAP, ELEC. 4.7/50-BP-RD	E311	23E28618S01	CAP, ELEC. 0.47/50-M -RD
E116	23E08383S16	CAP, ELEC. 4.7/50-M -RD	E312	23E08383S16	CAP, ELEC. 4.7/50-M -RD
E117	23E30011S01	CAP, ELEC. 4.7/50-BP-RD	E313	23E08383S16	CAP, ELEC. 4.7/50-M -RD
E118	23E30011S01	CAP, ELEC. 4.7/50-BP-RD	E321	23E20208S01	CAP, ELEC. 47/16-M -RD
E119	23E08383S16	CAP, ELEC. 4.7/50-M -RD	E322	23E20208S01	CAP, ELEC. 47/16-M -RD
E121	23E30011S01	CAP, ELEC. 4.7/50-BP-RD	E323	23E28618S01	CAP, ELEC. 0.47/50-M -RD
E122	23E08383S16	CAP, ELEC. 4.7/50-M -RD	E324	23E28618S01	CAP, ELEC. 0.47/50-M -RD
E124	23E30011S01	CAP, ELEC. 4.7/50-BP-RD	E325	23E30010S01	CAP, ELEC. 4.7/25-M -RD
E126	23E08383S13	CAP, ELEC. 22/16-M -RD	E326	23E30010S01	CAP, ELEC. 4.7/25-M -RD
E127	23E08383S13	CAP, ELEC. 22/16-M -RD	E334	23E20208S01	CAP, ELEC. 47/16-M -RD
E128	23E08383S13	CAP, ELEC. 22/16-M -RD	E335	23E20208S01	CAP, ELEC. 47/16-M -RD
E129	23E08383S13	CAP, ELEC. 22/16-M -RD	E336	23E28618S01	CAP, ELEC. 0.47/50-M -RD
E133	23E22905S01	CAP, ELEC. 2.2/50-M -RD	E337	23E28618S01	CAP, ELEC. 0.47/50-M -RD
E135	23E08383S13	CAP, ELEC. 22/16-M -RD	E338	23E22099S01	CAP, ELEC. 10/16-M -RD
E136	23E08383S13	CAP, ELEC. 22/16-M -RD	E339	23E30010S01	CAP, ELEC. 4.7/25-M -RD
E137	23E08383S13	CAP, ELEC. 22/16-M -RD	E356	23E08383S10	CAP, ELEC. 0.47/50-M -RD
E138	23E08383S08	CAP, ELEC. 10/16-M -RD	E400	23E22099S01	CAP, ELEC. 10/16-M -RD
E139	23E22905S01	CAP, ELEC. 2.2/50-M -RD	E401	23E20849S01	CAP, ELEC. 100/10-M -RD
E140	23E08383S13	CAP, ELEC. 22/16-M -RD	E402	23E08383S08	CAP, ELEC. 10/16-M -RD
E201	23E08383S13	CAP, ELEC. 22/16-M -RD	E403	23E08383S05	CAP, ELEC. 100/16-M -RD
E202	23E08383S13	CAP, ELEC. 22/16-M -RD	E404	23E08383S13	CAP, ELEC. 22/16-M -RD
E203	23E08383S13	CAP, ELEC. 22/16-M -RD	E405	23E08383S13	CAP, ELEC. 22/16-M -RD
E204	23E08383S13	CAP, ELEC. 22/16-M -RD	E406	23E08383S08	CAP, ELEC. 10/16-M -RD
E205	23E08383S15	CAP, ELEC. 1/50-M -RD	E407	23E08383S14	CAP, ELEC. 33/16-M -RD
E206	23E08383S09	CAP, ELEC. 0.33/50-M -RD	E408	23E08383S05	CAP, ELEC. 100/16-M -RD
E207	23E24370S01	CAP, ELEC. 470/10-M -RD	E409	23E08383S05	CAP, ELEC. 100/16-M -RD
E208	23E22905S01	CAP, ELEC. 2.2/50-M -RD	E410	23E08383S05	CAP, ELEC. 100/16-M -RD
E209	23E08383S13	CAP, ELEC. 22/16-M -RD	E412	23E08383S05	CAP, ELEC. 100/16-M -RD
E210	23E22905S01	CAP, ELEC. 2.2/50-M -RD	E413	23E08383S05	CAP, ELEC. 100/16-M -RD
E211	23E08383S08	CAP, ELEC. 10/16-M -RD	E414	23E08383S05	CAP, ELEC. 100/16-M -RD
E212	23E20849S01	CAP, ELEC. 100/10-M -RD	E415	23E08383S14	CAP, ELEC. 33/16-M -RD
E213	23E20209S01	CAP, ELEC. 0.22/50-M -RD	E416	23E08383S05	CAP, ELEC. 100/16-M -RD
E214	23E20849S01	CAP, ELEC. 100/10-M -RD	E417	23E24400S01	CAP, ELEC. 470/16-M -RD
E216	23E20849S01	CAP, ELEC. 100/10-M -RD	E418	23E24400S01	CAP, ELEC. 470/16-M -RD

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Symbol No.	Part No.	Description	Symbol No.	Part No.	Description
E419	23E24367S01	CAP, ELEC. 100/16-M-RD	R9	06E22073S01	RES, CF. 331-J-1/4-CP
E420	23E08383S05	CAP, ELEC. 100/16-M-RD	R10	06E25413S01	RES, CF. 361-J-1/4-CP
E421	23E08383S05	CAP, ELEC. 100/16-M-RD	R101	06E27835S01	RES, CHIP 1/10W F-30K
E422	23E22905S01	CAP, ELEC. 2.2/50-M-RD	R102	06E24360S01	RES, CHIP 1/10W-F-220
E423	23E22905S01	CAP, ELEC. 2.2/50-M-RD	R103	06E27835S01	RES, CHIP 1/10W F-30K
E424	23E08383S14	CAP, ELEC. 33/16-M-RD	R104	06E24361S01	RES, CHIP 1/10W-F-13K
E425	23E08383S05	CAP, ELEC. 100/16-M-RD	R105	06E24361S01	RES, CHIP 1/10W-F-13K
E501	23E20208S01	CAP, ELEC. 47/16-M-RD	R106	06E22062S01	RES, CF. 473-J-1/10-CP
E502	23E20208S01	CAP, ELEC. 47/16-M-RD	R107	06E24360S01	RES, CHIP 1/10W-F-220
E503	23E20208S01	CAP, ELEC. 47/16-M-RD	R108	06E27835S01	RES, CHIP 1/10W F-30K
E504	23E20208S01	CAP, ELEC. 47/16-M-RD	R109	06E24361S01	RES, CHIP 1/10W-F-13K
E505	23E20208S01	CAP, ELEC. 47/16-M-RD	R110	06E24361S01	RES, CHIP 1/10W-F-13K
E506	23E20208S01	CAP, ELEC. 47/16-M-RD	R111	06E22062S01	RES, CF. 473-J-1/10-CP
E513	23E26238S01	CAP, ELEC. 2.2/50-M-RD	R112	06E27835S01	RES, CHIP 1/10W F-30K
E514	23E26238S01	CAP, ELEC. 2.2/50-M-RD	R114	06E22068S01	RES, CF. 105-J-1/10-CP
E515	23E26238S01	CAP, ELEC. 2.2/50-M-RD	R124	06E24360S01	RES, CHIP 1/10W-F-220
E516	23E26238S01	CAP, ELEC. 2.2/50-M-RD	R125	06E23888S01	RES, CHIP 1/10W-F-22K
E517	23E26238S01	CAP, ELEC. 2.2/50-M-RD	R126	06E23888S01	RES, CHIP 1/10W-F-22K
E518	23E26238S01	CAP, ELEC. 2.2/50-M-RD	R127	06E23888S01	RES, CHIP 1/10W-F-22K
E520	23E26238S01	CAP, ELEC. 2.2/50-M-RD	R128	06E22062S01	RES, CF. 473-J-1/10-CP
E521	23E22099S01	CAP, ELEC. 10/16-M-RD	R129	06E23888S01	RES, CHIP 1/10W-F-22K
E522	23E28618S01	CAP, ELEC. 0.47/50-M-RD	R130	06E23888S01	RES, CHIP 1/10W-F-22K
E601	23E22099S01	CAP, ELEC. 10/16-M-RD	R131	06E23888S01	RES, CHIP 1/10W-F-22K
E602	23E22099S01	CAP, ELEC. 10/16-M-RD	R132	06E22062S01	RES, CF. 473-J-1/10-CP
E603	23E22099S01	CAP, ELEC. 10/16-M-RD	R133	06E24360S01	RES, CHIP 1/10W-F-220
E604	23E08383S08	CAP, ELEC. 10/16-M-RD	R134	06E23888S01	RES, CHIP 1/10W-F-22K
E605	23E08383S08	CAP, ELEC. 10/16-M-RD	R135	06E23888S01	RES, CHIP 1/10W-F-22K
E606	23E08383S08	CAP, ELEC. 10/16-M-RD	R136	06E24360S01	RES, CHIP 1/10W-F-220
E607	23E08383S13	CAP, ELEC. 22/16-M-RD	R137	06E23888S01	RES, CHIP 1/10W-F-22K
E608	23E08383S13	CAP, ELEC. 22/16-M-RD	R138	06E23888S01	RES, CHIP 1/10W-F-22K
E609	23E08383S13	CAP, ELEC. 22/16-M-RD	R139	06E23888S01	RES, CHIP 1/10W-F-22K
E610	23E08383S13	CAP, ELEC. 22/16-M-RD	R140	06E23888S01	RES, CHIP 1/10W-F-22K
E611	23E08383S13	CAP, ELEC. 22/16-M-RD	R141	06E22062S01	RES, CF. 473-J-1/10-CP
E612	23E08383S13	CAP, ELEC. 22/16-M-RD	R142	06E24360S01	RES, CHIP 1/10W-F-220
E613	23E08383S13	CAP, ELEC. 22/16-M-RD	R143	06E23888S01	RES, CHIP 1/10W-F-22K
E614	23E08383S13	CAP, ELEC. 22/16-M-RD	R144	06E23888S01	RES, CHIP 1/10W-F-22K
E615	23E08383S13	CAP, ELEC. 22/16-M-RD	R145	06E23888S01	RES, CHIP 1/10W-F-22K
<b>Resistors</b>			R146	06E22062S01	RES, CF. 473-J-1/10-CP
R1	06E28547S01	RES, CF. 821-J-1/4-CP	R147	06E23888S01	RES, CHIP 1/10W-F-22K
R2	06E28547S01	RES, CF. 821-J-1/4-CP	R148	06E22060S01	RES, CF. 223-J-1/10-CP
R3	06E28547S01	RES, CF. 821-J-1/4-CP	R149	06E22060S01	RES, CF. 223-J-1/10-CP
R4	06E23837S01	RES, CF. 271-J-1/4-CP	R150	06E22048S01	RES, CF. 102-J-1/10-CP
R5	06E23837S01	RES, CF. 271-J-1/4-CP	R151	06E22048S01	RES, CF. 102-J-1/10-CP
R6	06E23837S01	RES, CF. 271-J-1/4-CP	R152	06E20903S01	RES, CF. 103-J-1/10-CP
R7	06E22073S01	RES, CF. 331-J-1/4-CP	R153	06E20905S01	RES, CF. 0R0 J-1/10-CP
R8	06E25413S01	RES, CF. 361-J-1/4-CP	R155	06E22048S01	RES, CF. 102-J-1/10-CP
			R156	06E22048S01	RES, CF. 102-J-1/10-CP
			R157	06E22048S01	RES, CF. 102-J-1/10-CP
			R158	06E22048S01	RES, CF. 102-J-1/10-CP

Symbol No.	Part No.	Description	Symbol No.	Part No.	Description
R159	06E22048S01	RES, CF. 102-J-1/10-CP	R241	06E22053S01	RES, CF. 332-J-1/10-CP
R160	06E22048S01	RES, CF. 102-J-1/10-CP	R242	06E22950S01	RES, CF. 391-J-1/10-CP
R161	06E22048S01	RES, CF. 102-J-1/10-CP	R243	06E22041S01	RES, CF. 101-J-1/10-CP
R162	06E22048S01	RES, CF. 102-J-1/10-CP	R246	06E22065S01	RES, CF. 104-J-1/10-CP
R163	06E22048S01	RES, CF. 102-J-1/10-CP	R247	06E22065S01	RES, CF. 104-J-1/10-CP
R170	06E22065S01	RES, CF. 104-J-1/10-CP	R249	06E22065S01	RES, CF. 104-J-1/10-CP
R171	06E22062S01	RES, CF. 473-J-1/10-CP	R250	06E22055S01	RES, CF. 472-J-1/10-CP
R172	06E22062S01	RES, CF. 473-J-1/10-CP	R251	06E20903S01	RES, CF. 103-J-1/10-CP
R173	06E22062S01	RES, CF. 473-J-1/10-CP	R252	06E22543S01	RES, CF. 39R-J-1/10-CP
R174	06E22051S01	RES, CF. 222-J-1/10-CP	R253	06E22059S01	RES, CF. 183-J-1/10-CP
R175	06E24359S01	RES, CF. 114-J-1/10-CP	R254	06E22059S01	RES, CF. 183-J-1/10-CP
R176	06E20903S01	RES, CF. 103-J-1/10-CP	R256	06E22060S01	RES, CF. 223-J-1/10-CP
R177	06E20903S01	RES, CF. 103-J-1/10-CP	R258	06E22065S01	RES, CF. 104-J-1/10-CP
R201	06E22059S01	RES, CF. 183-J-1/10-CP	R259	06E22896S01	RES, CF. 912-J-1/10-CP
R202	06E29167S01	RES, CF. 201-J-1/10-CP	R260	06E22896S01	RES, CF. 912-J-1/10-CP
R203	06E23572S01	RES, CF. 821-J-1/10-CP	R261	06E20903S01	RES, CF. 103-J-1/10-CP
R204	06E22068S01	RES, CF. 105-J-1/10-CP	R262	06E20903S01	RES, CF. 103-J-1/10-CP
R206	06E22068S01	RES, CF. 105-J-1/10-CP	R263	06E24189S01	RES, CF. 151-J-1/10-CP
R207	06E23575S01	RES, CF. 334-J-1/10-CP	R264	06E24189S01	RES, CF. 151-J-1/10-CP
R208	06E22067S01	RES, CF. 474-J-1/10-CP	R265	06E22055S01	RES, CF. 472-J-1/10-CP
R209	06E22062S01	RES, CF. 473-J-1/10-CP	R266	06E22055S01	RES, CF. 472-J-1/10-CP
R210	06E22062S01	RES, CF. 473-J-1/10-CP	R267	06E22060S01	RES, CF. 223-J-1/10-CP
R211	06E20903S01	RES, CF. 103-J-1/10-CP	R270	06E22041S01	RES, CF. 101-J-1/10-CP
R212	06E20903S01	RES, CF. 103-J-1/10-CP	R271	06E22041S01	RES, CF. 101-J-1/10-CP
R213	06E22062S01	RES, CF. 473-J-1/10-CP	R272	06E22041S01	RES, CF. 101-J-1/10-CP
R214	06E22507S01	RES, CF. 153-J-1/10-CP	R273	06E22041S01	RES, CF. 101-J-1/10-CP
R215	06E22057S01	RES, CF. 822-J-1/10-CP	R274	06E22041S01	RES, CF. 101-J-1/10-CP
R216	06E20904S01	RES, CF. 273-J-1/10-CP	R275	06E22041S01	RES, CF. 101-J-1/10-CP
R217	06E20903S01	RES, CF. 103-J-1/10-CP	R305	06E22055S01	RES, CF. 472-J-1/10-CP
R218	06E22062S01	RES, CF. 473-J-1/10-CP	R306	06E22055S01	RES, CF. 472-J-1/10-CP
R219	06E24371S01	RES, MO. 820-J-1/2W-AX	R308	06E22926S01	RES, CF. 752-J-1/10-CP
R220	06E22051S01	RES, CF. 222-J-1/10-CP	R309	06E22055S01	RES, CF. 472-J-1/10-CP
R221	06E24371S01	RES, MO. 820-J-1/2W-AX	R310	06E22926S01	RES, CF. 752-J-1/10-CP
R222	06E21164S01	RES, CF. 152-J-1/10-CP	R311	06E22926S01	RES, CF. 752-J-1/10-CP
R223	06E22066S01	RES, CF. 224-J-1/10-CP	R312	06E22926S01	RES, CF. 752-J-1/10-CP
R224	06E21164S01	RES, CF. 152-J-1/10-CP	R313	06E22894S01	RES, CF. 132-J-1/10-CP
R225	06E22060S01	RES, CF. 223-J-1/10-CP	R314	06E22926S01	RES, CF. 752-J-1/10-CP
R226	06E22051S01	RES, CF. 222-J-1/10-CP	R315	06E20903S01	RES, CF. 103-J-1/10-CP
R228	06E20903S01	RES, CF. 103-J-1/10-CP	R316	06E20903S01	RES, CF. 103-J-1/10-CP
R229	06E22064S01	RES, CF. 683-J-1/10-CP	R317	06E20903S01	RES, CF. 103-J-1/10-CP
R230	06E20851S01	RES, CF. 433-J-1/10-CP	R318	06E20903S01	RES, CF. 103-J-1/10-CP
R231	06E22898S01	RES, CF. 363-J-1/10-CP	R319	06E28012S01	RES, CF. 163-J-1/10-CP
R232	06E22111S01	RES, CF. 562-J-1/10-CP	R320	06E22927S01	RES, CF. 124-J-1/10-CP
R233	06E20903S01	RES, CF. 103-J-1/10-CP	R323	06E22927S01	RES, CF. 124-J-1/10-CP
R234	06E22062S01	RES, CF. 473-J-1/10-CP	R326	06E28012S01	RES, CF. 163-J-1/10-CP
R235	06E22062S01	RES, CF. 473-J-1/10-CP	R327	06E22062S01	RES, CF. 473-J-1/10-CP
R236	06E30005S01	RES, CF. 754-J-1/10-CP	R328	06E22042S01	RES, CF. 221-J-1/10-CP
R237	06E22062S01	RES, CF. 473-J-1/10-CP	R329	06E22041S01	RES, CF. 101-J-1/10-CP
R238	06E22062S01	RES, CF. 473-J-1/10-CP	R330	06E22062S01	RES, CF. 473-J-1/10-CP

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Symbol No.	Part No.	Description	Symbol No.	Part No.	Description
R331	06E22042S01	RES, CF. 221-J-1/10-CP	R421	06E23902S01	RES, CF. 242-J-1/4-CP
R332	06E22041S01	RES, CF. 101-J-1/10-CP	R422	06E23902S01	RES, CF. 242-J-1/4-CP
R333	06E20903S01	RES, CF. 103-J-1/10-CP	R423	06E22048S01	RES, CF. 102-J-1/10-CP
R334	06E20903S01	RES, CF. 103-J-1/10-CP	R424	06E20851S01	RES, CF. 433-J-1/10-CP
R335	06E22055S01	RES, CF. 472-J-1/10-CP	R425	06E30003S01	RES, CF. 301-J-1/10-CP
R336	06E22055S01	RES, CF. 472-J-1/10-CP	R426	06E30003S01	RES, CF. 301-J-1/10-CP
R351	06E22927S01	RES, CF. 124-J-1/10-CP	R427	06E20903S01	RES, CF. 103-J-1/10-CP
R353	06E28012S01	RES, CF. 163-J-1/10-CP	R428	06E22067S01	RES, CF. 474-J-1/10-CP
R356	06E22927S01	RES, CF. 124-J-1/10-CP	R429	06E27611S01	RES, CF. 753-J-1/10-CP
R358	06E28012S01	RES, CF. 163-J-1/10-CP	R430	06E27611S01	RES, CF. 753-J-1/10-CP
R359	06E22062S01	RES, CF. 473-J-1/10-CP	R432	06E22129S01	RES, CF. 243-J-1/10-CP
R360	06E22042S01	RES, CF. 221-J-1/10-CP	R433	06E22057S01	RES, CF. 822-J-1/10-CP
R361	06E22041S01	RES, CF. 101-J-1/10-CP	R434	06E23902S01	RES, CF. 242-J-1/4-CP
R362	06E22062S01	RES, CF. 473-J-1/10-CP	R435	06E30007S01	RES, CF. 202-J-1/4-CP
R363	06E22042S01	RES, CF. 221-J-1/10-CP	R436	06E22076S01	RES, CF. 222-J-1/4-CP
R364	06E22041S01	RES, CF. 101-J-1/10-CP	R437	06E22129S01	RES, CF. 243-J-1/10-CP
R367	06E22055S01	RES, CF. 472-J-1/10-CP	R438	06E22548S01	RES, CF. 471-J-1/4-CP
R368	06E22055S01	RES, CF. 472-J-1/10-CP	R439	06E28013S01	RES, CF. 511-J-1/4-CP
R383	06E22927S01	RES, CF. 124-J-1/10-CP	R440	06E30006S01	RES, CF. 241-J-1/4-CP
R384	06E22508S01	RES, CF. 203-J-1/10-CP	R441	06E30008S01	RES, CF. 562-J-1/4-CP
R385	06E22052S01	RES, CF. 272-J-1/10-CP	R501	06E22924S01	RES, CF. 242-J-1/10-CP
R387	06E22927S01	RES, CF. 124-J-1/10-CP	R502	06E22924S01	RES, CF. 242-J-1/10-CP
R390	06E28012S01	RES, CF. 163-J-1/10-CP	R503	06E22924S01	RES, CF. 242-J-1/10-CP
R391	06E22062S01	RES, CF. 473-J-1/10-CP	R504	06E22924S01	RES, CF. 242-J-1/10-CP
R392	06E22042S01	RES, CF. 221-J-1/10-CP	R505	06E22924S01	RES, CF. 242-J-1/10-CP
R393	06E22041S01	RES, CF. 101-J-1/10-CP	R506	06E22924S01	RES, CF. 242-J-1/10-CP
R394	06E22062S01	RES, CF. 473-J-1/10-CP	R507	06E22951S01	RES, CF. 302-J-1/10-CP
R395	06E22042S01	RES, CF. 221-J-1/10-CP	R508	06E22951S01	RES, CF. 302-J-1/10-CP
R396	06E22041S01	RES, CF. 101-J-1/10-CP	R509	06E22951S01	RES, CF. 302-J-1/10-CP
R401	06E22058S01	RES, CF. 123-J-1/10-CP	R510	06E22951S01	RES, CF. 302-J-1/10-CP
R402	06E22546S01	RES, CF. 513-J-1/10-CP	R511	06E22951S01	RES, CF. 302-J-1/10-CP
R403	06E22065S01	RES, CF. 104-J-1/10-CP	R512	06E22951S01	RES, CF. 302-J-1/10-CP
R404	06E22055S01	RES, CF. 472-J-1/10-CP	R513	06E22924S01	RES, CF. 242-J-1/10-CP
R405	06E22545S01	RES, CF. 202-J-1/10-CP	R514	06E22924S01	RES, CF. 242-J-1/10-CP
R406	06E22065S01	RES, CF. 104-J-1/10-CP	R515	06E22924S01	RES, CF. 242-J-1/10-CP
R407	06E22547S01	RES, CF. 684-J-1/10-CP	R516	06E22924S01	RES, CF. 242-J-1/10-CP
R408	06E22545S01	RES, CF. 202-J-1/10-CP	R517	06E22924S01	RES, CF. 242-J-1/10-CP
R409	06E22068S01	RES, CF. 105-J-1/10-CP	R518	06E22924S01	RES, CF. 242-J-1/10-CP
R410	06E23835S01	RES, CF. 9R1-J-1/4-CP	R521	06E22924S01	RES, CF. 242-J-1/10-CP
R411	06E23835S01	RES, CF. 9R1-J-1/4-CP	R522	06E22924S01	RES, CF. 242-J-1/10-CP
R412	06E23902S01	RES, CF. 242-J-1/4-CP	R523	06E22924S01	RES, CF. 242-J-1/10-CP
R413	06E23902S01	RES, CF. 242-J-1/4-CP	R524	06E22924S01	RES, CF. 242-J-1/10-CP
R414	06E23902S01	RES, CF. 242-J-1/4-CP	R525	06E22924S01	RES, CF. 242-J-1/10-CP
R415	06E30004S01	RES, CF. 624-J-1/10-CP	R526	06E22924S01	RES, CF. 242-J-1/10-CP
R416	06E23835S01	RES, CF. 9R1-J-1/4-CP	R537	06E20903S01	RES, CF. 103-J-1/10-CP
R417	06E23835S01	RES, CF. 9R1-J-1/4-CP	R538	06E20903S01	RES, CF. 103-J-1/10-CP
R418	06E22129S01	RES, CF. 243-J-1/10-CP	R539	06E20903S01	RES, CF. 103-J-1/10-CP
R419	06E20903S01	RES, CF. 103-J-1/10-CP	R540	06E20903S01	RES, CF. 103-J-1/10-CP
R420	06E23902S01	RES, CF. 242-J-1/4-CP	R541	06E20903S01	RES, CF. 103-J-1/10-CP

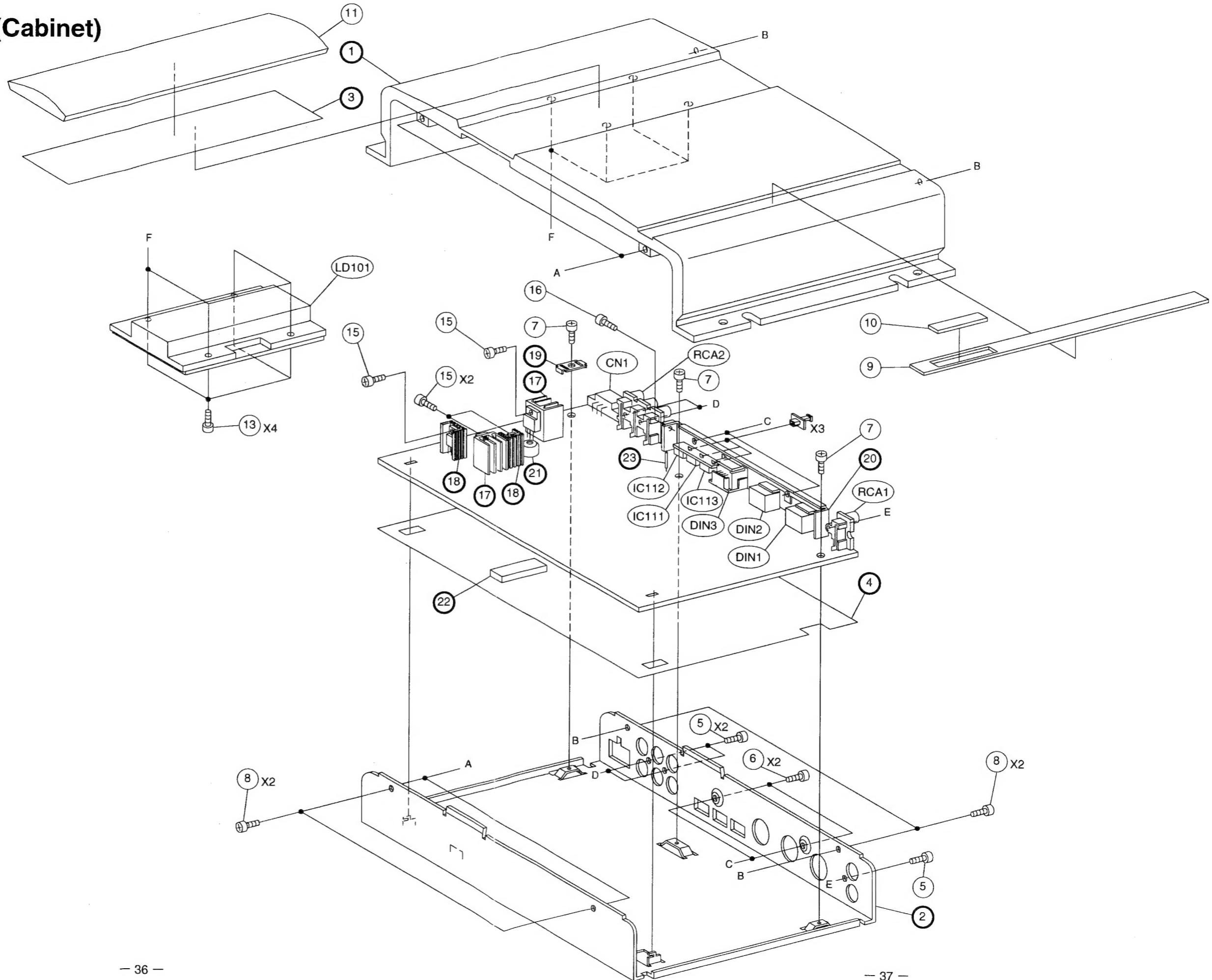
Symbol No.	Part No.	Description
R542	06E20903S01	RES, CF. 103-J-1/10-CP
R543	06E22508S01	RES, CF. 203-J-1/10-CP
R544	06E22508S01	RES, CF. 203-J-1/10-CP
R545	06E22508S01	RES, CF. 203-J-1/10-CP
R546	06E22508S01	RES, CF. 203-J-1/10-CP
R547	06E22508S01	RES, CF. 203-J-1/10-CP
R548	06E22508S01	RES, CF. 203-J-1/10-CP
R549	06E22065S01	RES, CF. 104-J-1/10-CP
R550	06E22065S01	RES, CF. 104-J-1/10-CP
R551	06E22065S01	RES, CF. 104-J-1/10-CP
R552	06E22065S01	RES, CF. 104-J-1/10-CP
R553	06E22065S01	RES, CF. 104-J-1/10-CP
R554	06E22065S01	RES, CF. 104-J-1/10-CP
R555	06E22048S01	RES, CF. 102-J-1/10-CP
R556	06E22048S01	RES, CF. 102-J-1/10-CP
R557	06E22048S01	RES, CF. 102-J-1/10-CP
R558	06E22048S01	RES, CF. 102-J-1/10-CP
R559	06E22048S01	RES, CF. 102-J-1/10-CP
R560	06E22048S01	RES, CF. 102-J-1/10-CP
R561	06E22048S01	RES, CF. 102-J-1/10-CP
R562	06E22060S01	RES, CF. 223-J-1/10-CP
R563	06E22060S01	RES, CF. 223-J-1/10-CP
R564	06E22927S01	RES, CF. 124-J-1/10-CP
<b>Connector</b>		
CB1	09E22533S01	CONN BASE, GIL-S-09P
<b>Front P. W. Board</b>		
<b>IC</b>		
IC901	51T15186Y01	IC, LC75823W
<b>Transistors</b>		
Q901	48E26534S01	TR, DTC143ZK-T-146-CP
Q902	48E26534S01	TR, DTC143ZK-T-146-CP
<b>Diode</b>		
ZD901	48E22944S01	D10, ZEN. MTZJ5. 1B-AX

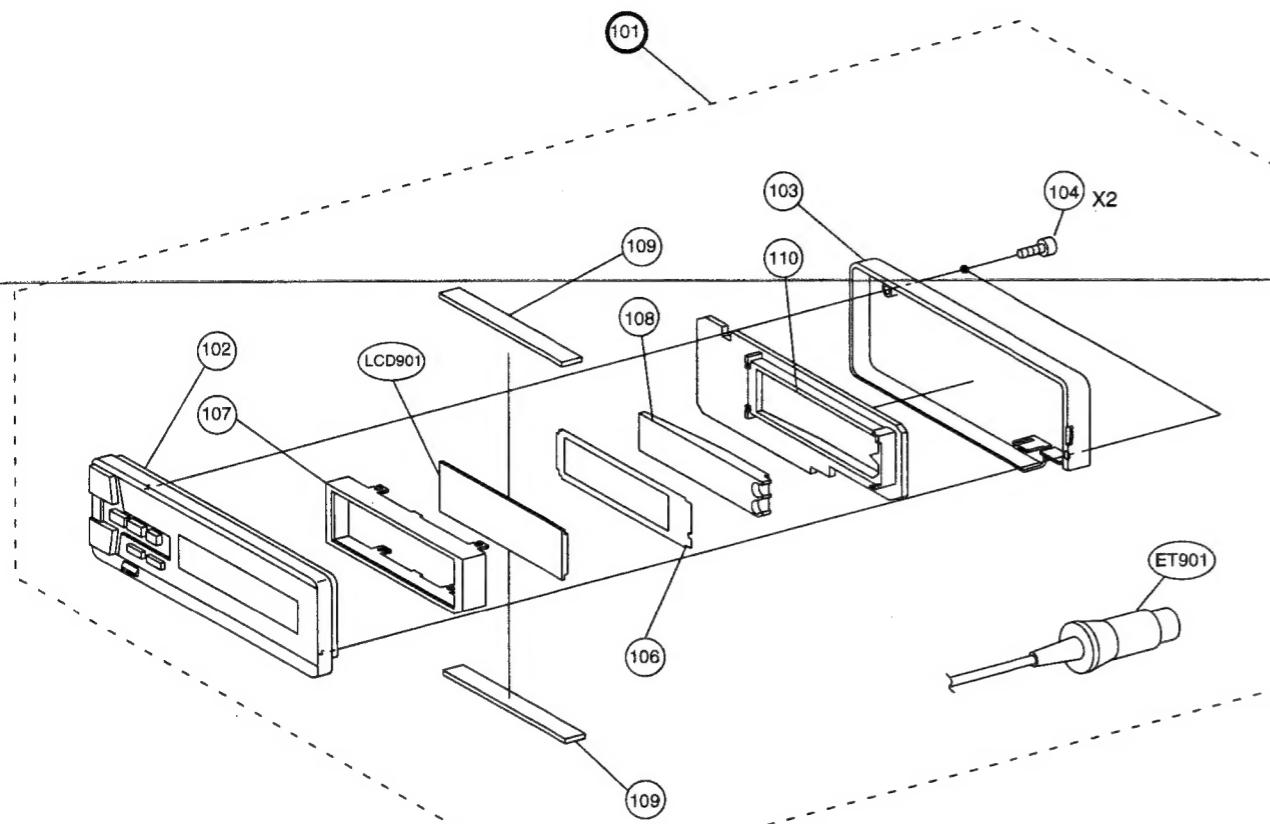
Symbol No.	Part No.	Description
<b>LED</b>		
LD901	48T15110Y01	LED, AAPG1211C-CP (ORG/GRN)
<b>Switches</b>		
SW901	40T75234W01	SW, TACT SKQNAC-H5 (MODE/SUB W.)
SW902	40E23611S01	TACT S/W EVQPJU04K (A. PROC/DEF.)
SW903	40T75234W01	SW, TACT SKQNAC-H5 (<)
SW904	40T75234W01	SW, TACT SKQNAC-H5 (V)
SW905	40T75234W01	SW, TACT SKQNAC-H5 (ENT)
SW906	40E23611S01	TACT S/W EVQPJU04K (BAND)
SW907	40T75234W01	SW, TACT SKQNAC-H5 (>)
SW908	40T75234W01	SW, TACT SKQNAC-H5 (^)
SW909	40T75234W01	SW, TACT SKQNAC-H5 (RESET)
<b>Lamps</b>		
PL901	65T75232W01	LAMP, GRN6-80-H2
PL902	65T75232W01	LAMP, GRN6-80-H2
PL903	65T85125W02	LAMP, GRN 9-100
<b>Capacitors</b>		
C901	08E08423S06	CAP, CER. 681-J-CP 50V
C902	08E26533S01	CAP, 474-Z-CP
C903	08E26533S01	CAP, 474-Z-CP
C904	08E22549S01	CAP, CER. 680-J-CP 50V
C905	08E22549S01	CAP, CER. 680-J-CP 50V
C906	08E22549S01	CAP, CER. 680-J-CP 50V
C907	08E22549S01	CAP, CER. 680-J-CP 50V
E901	23E09402S02	CAP, ELEC. 10/16-M-RD
<b>Resistors</b>		
R902	06E22052S01	RES, CF. 272-J-1/10-CP
R903	06E22054S01	RES, CF. 392-J-1/10-CP
R904	06E22057S01	RES, CF. 822-J-1/10-CP
R905	06E22546S01	RES, CF. 513-J-1/10-CP
R907	06E22052S01	RES, CF. 272-J-1/10-CP
R908	06E22054S01	RES, CF. 392-J-1/10-CP
R909	06E22057S01	RES, CF. 822-J-1/10-CP
R916	06E25234S01	RES, CF. 13R-J-1/4-CP
R918	06E25413S01	RES, CF. 361-J-1/4-CP
R919	06E23857S01	RES, CF. 511-J-1/10-CP
R920	06E23857S01	RES, CF. 511-J-1/10-CP

Symbol No.	Part No.	Description
R921	06E23857S01	RES, CF. 511-J-1/10-CP
R922	06E23857S01	RES, CF. 511-J-1/10-CP
R923	06E20752S01	RES, CF. 221-J-1/4-CP
R924	06E20752S01	RES, CF. 221-J-1/4-CP
<b>LED P. W. Board</b>		
<b>Connector</b>		
CH101	01E30019S01	ASS'Y CONN WIRE 9P
<b>Miscellaneous</b>		
DIN1	09T55071W12	Ai-NET Connector (CHANGER IN)
DIN2	09T55071W12	Ai-NET Connector (Ai-NET IN)
DIN3	09E24355S01	DIN Connector (CONTROL UNIT)
CN1	09E22881S01	POWER SUPPLY Connector
ET901	01E30021S01	Assy., DIN Cable (To MAIN UNIT)
IC111	51T45265W03	IC, TORX193-WS (DIGITAL INPUT - HEAD UNIT)
IC112	51T45265W03	IC, TORX193-WS (DIGITAL INPUT - CHANGER)
IC113	51T45265W03	IC, TORX193-WS (DIGITAL INPUT - DVD)
RCA1	09E24353S01	RCA Jack (INPUT)
RCA2	09E30002S01	RCA Jack (OUTPUT - FRONT/REAR/ SUB WOOFER/CENTER)
LCD901	65T15016Y02	LCD Display
LD101	48E29625S01	LED Module

**Exploded View (Cabinet)**

&lt;Main Unit&gt;



**Exploded View (Cabinet) <CONTROL UNIT>**

**Cabinet Assembly Parts List**

NOTE: Parts without part number are not supplied.			
Symbol No.	Index	Part No.	Description
5		03E09416S09	Screw, TPG-TPT (M3X10)
6		03E09417S05	Screw, MCH-TPT (M2.6X5)
7		03E09417S01	Screw, MCH-TPT (M2.6X5)
8		03E23709S01	Screw, TPG-TPT (M2.6X8)
9		15E30016S01	Cover, Plate
10		64E26545S01	Plate, Name (A)
11		64E30017S01	Scale, Plate
13		03E26538S01	Screw, TPG-TPT (M2.6X11)
15		03E09416S10	Screw, TPG-TPT (M3X8)
16		03E22133S01	Screw, MCH-TPT (M2.6X6)
102		13E29626S01	Assy., Nosepiece
103		13E27939S01	Nose Bottom
104		03E23665S01	Screw, TPG (M1.7X12)
106		26A70309W01	Reflector, Sheet (A)
107		15E25232S01	Cover, LCD
108		61E29390S01	Lens, LCD
109		75E30020S01	Rubber, Electric
110		15E22999S01	Case, LCD